Operating Instructions

COMPACT disc DIGITAL AUDIO

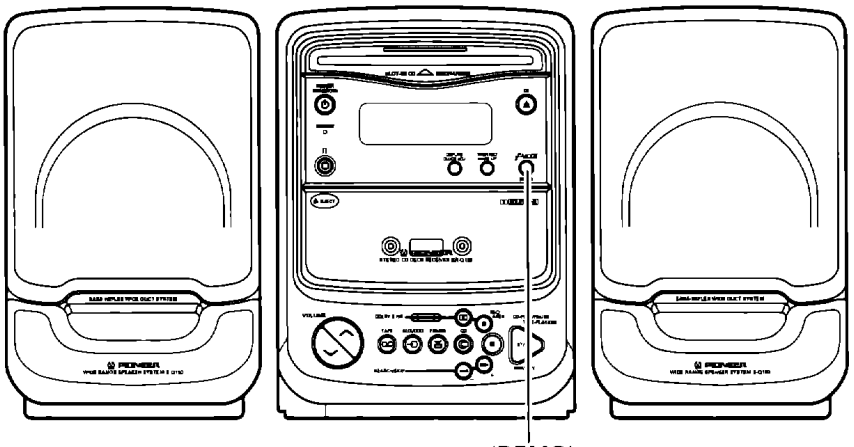
C25 DISC

STEREO CD DECK RECEIVER
XR-Q150

STEREO DECK RECEIVER
RX-Q160

FILE-TYPE CD PLAYER
PD-Q160F

SPEAKER SYSTEM
S-Q150
S-Q3D-LRW



The illustration shows XR-Q150 and S-Q150.

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Demonstration Mode:

- When the power cord is first plugged into a wall outlet, the deck receiver automatically enters the demonstration mode. In the demonstration mode, the unit's display shows the wide variety of system functions available.
- To cancel the demonstration mode, perform any of the following operations.
  - Press the POWER switch or the DIRECT POWER ON buttons (P. 14) to turn on the power.
  - Press the f-MODE (DEMO) button.
- To activate the demonstration mode again, confirm that the unit is in the POWER OFF (STANDBY) mode, then press the f-MODE (DEMO) button.

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

PIONEER®
The Art of Entertainment

IMPORTANT

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue : Neutral

Brown : Live

If the plug provided is unsuitable for your socket outlets, the plug must be cut off and a suitable plug fitted.

The cut-off plug should be disposed of and must not be inserted into any 13 amp socket as this can result in electric shock. The plug or adaptor of the distribution panel should be provided with 5 amp fuse. As the colours of the wires in the mains lead of this appliance may not correspond with coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal of a three pin plug.

NOTE
After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost, replacement fuse covers can be obtained from your dealer.
Only 5 A fuses approved by B.S.I. or A.S.T.A. to B.S. 1362 should be used.

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appears on your unit.
Location: rear of the unit

CLASS 1
LASER PRODUCT

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

This product complies with the Low Voltage Directive (73/23/EEC), EMC Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC).

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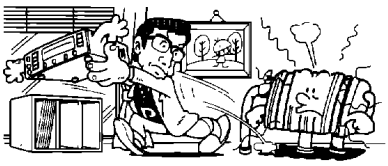
CAUTIONS REGARDING HANDLING

Location

Install the unit in a well-ventilated location where it will not be exposed to high temperatures or humidity. Do not install the unit in a location which is exposed to direct rays of the sun, or near stoves or radiators. Excessive heat can adversely affect the cabinet and internal components.
Installation of the unit in a damp or dusty environment may also result in a malfunction or an accident. (Avoid installation near cookers, etc., where the unit may be exposed to smoke from oil, steam or heat.)



Precautions Regarding Installation

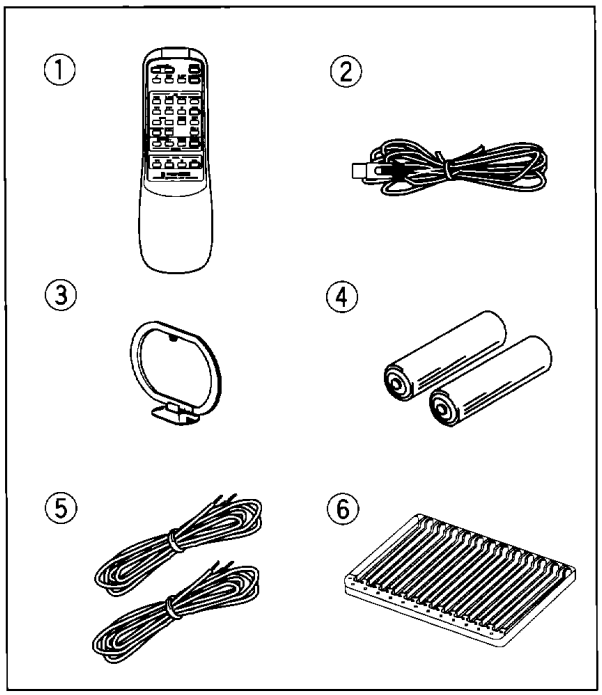
- Placing and using the unit for long periods on heat-generating sources will affect performance. Avoid placing the unit on heat-generating sources.
- Install the unit as far away as possible from your TV. Installation in close proximity to such equipment may cause noise or degradation of the picture.
- Such noise may be particularly noticeable when an indoor antenna is used. In such cases, make use of an outdoor antenna, or turn off the power to the unit.
- Please place this unit on a level surface.

Condensation

When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside, and the unit may not be able to attain its full performance. To prevent this, allow the unit to stand for about an hour before switching it on, or raise the room temperature gradually.

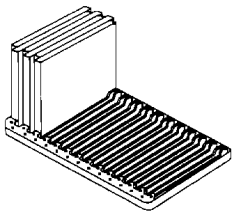
<Usage Precautions>
When using the File-Type CD Player (PD-Q160F):

- Do not attempt to move the player when discs are loaded in the rack (p. 20), since malfunctions or internal damage may result. When moving the player, remove all discs from the rack, set the power switch to OFF (standby), and unplug the power cord.
- Always be sure to install this player in a level place.

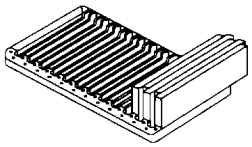


CONFIRM SUPPLIED ACCESSORIES

① Remote control unit x 1
② FM T-type antenna x 1
③ AM loop antenna x 1
(Illustration shows antenna in assembled condition)
④ AA/R6P dry cell batteries x 2
⑤ ● Speaker cords x 2 (furnished with S-Q150)
● Speaker cords x 4 (furnished with S-Q3D-LRW)
(For satellite speaker: 2)
(For sub-woofer: 2)
⑥ Disc case stand x 1 (included with PD-Q160F)

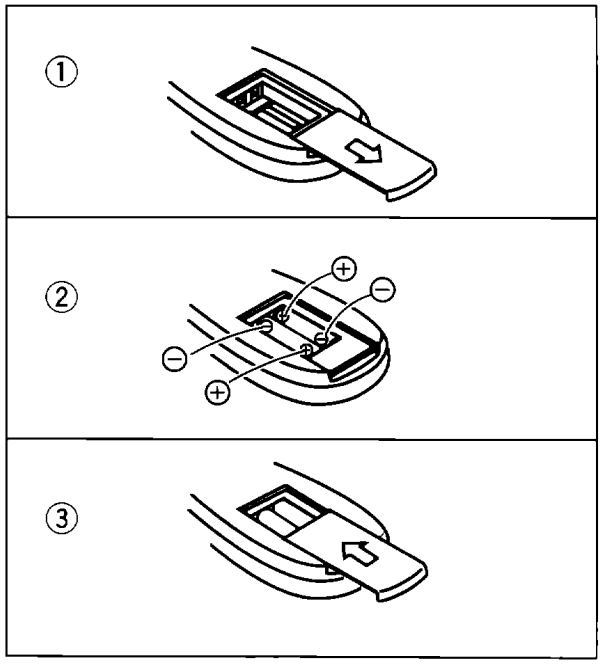


● This case stand is convenient for holding the empty cases of discs currently loaded in the player. By loading the cases in the numbered slots corresponding to the number in the player, you can keep a record of what discs are loaded.



NOTE:
Some two-disc cases may not fit in the holder.

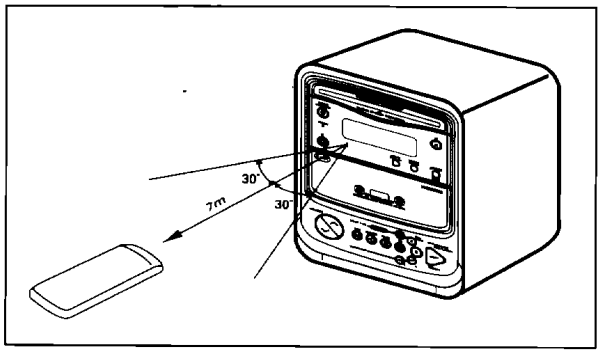
● Single-CD cases may be loaded as shown.



PUT BATTERIES INTO THE REMOTE CONTROL UNIT

① Open the battery compartment cover on the back of the remote control unit.
② Insert size AA/R6P dry cell batteries into the battery compartment in accordance with the indications (⊕, ⊖) inside the compartment.
③ Close the cover of the battery case.

Incorrect use of batteries may cause leakage or rupture. Always be sure to follow these guidelines:
A. Always insert batteries into the battery compartment correctly matching the positive ⊕ and negative ⊖ polarities, as shown by the display inside the compartment.
B. Never mix new and used batteries.
C. Batteries of the same size may have different voltages, depending on brand. Do not mix different brands of batteries.



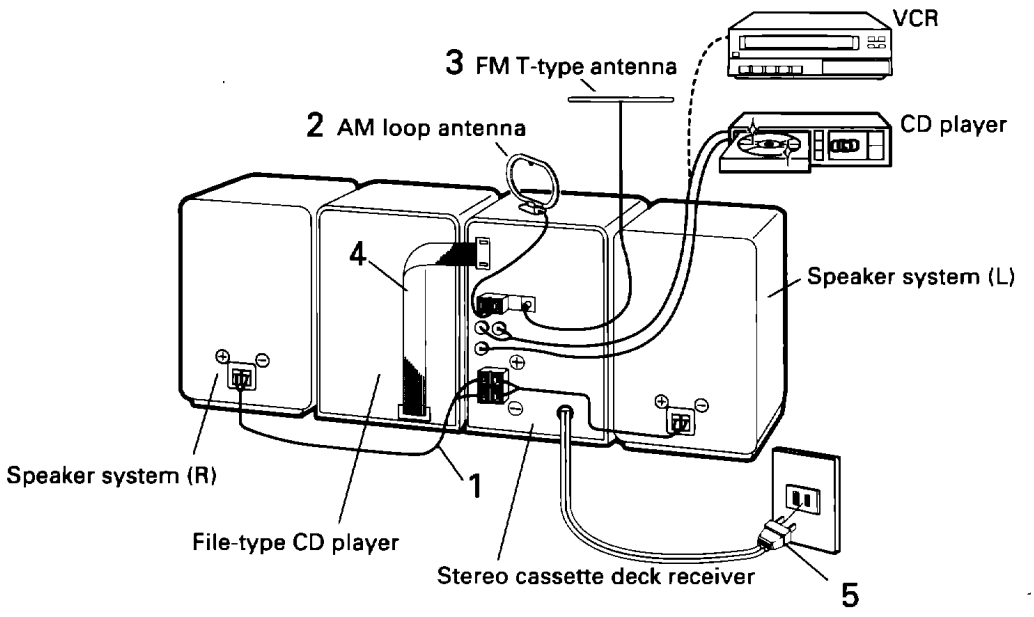
REMOTE CONTROL OPERATIONS

The remote control unit can be used within a range of about 7 meters from the remote sensor, and within angles of up to about 30 degrees.

NOTE:
If the remote control sensor window is in a position where it receives strong light such as sunlight or fluorescent light, control may not be possible.

CONNECTIONS (Shown for XR-Q150/S-Q150, RX-Q160/PD-Q160F/S-Q150)

The illustration shows RX-Q160/PD-Q160F.



Before making or changing the connections, switch off the power switch and disconnect the power cord from the AC outlet.

- When connecting or changing the components, remove all discs from the rack and set the power switch to OFF, then disconnect the power cord from its outlet.
- Before using this unit, be sure to follow these instructions to connect the unit correctly.
- Set the antenna apart from the unit in a place where it does not come into contact with metal objects. The antenna should be installed as far away as possible from personal computers and television sets.

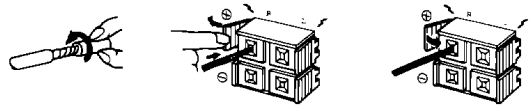
1. Connect the speaker cords to the SPEAKERS terminal.

Connect the red cords to the ⊕ (red) terminals, and the black cords to the ⊖ (black) terminals.

① Twist the wire strands.

② Push away the tab and insert the cord into the terminal.

③ Pull back the tab. Be sure to tighten the cords firmly.

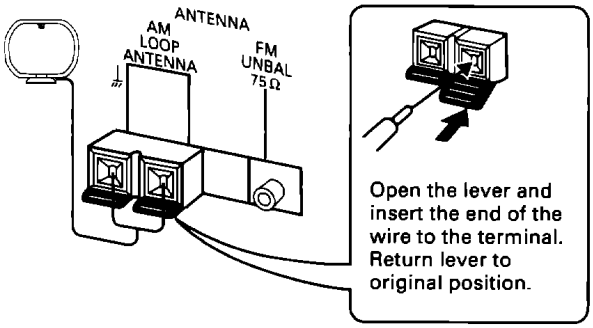


Speaker impedance

Connect speaker systems with a nominal impedance ranging from 8 to 16 Ω.

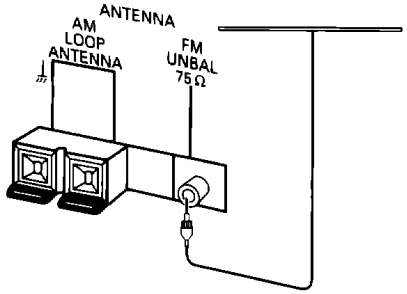
2. Connect the accessory AM loop antenna.

Assemble the AM loop antenna, open the antenna terminal lever, and insert the end of the antenna wire into the antenna terminal.


ANTENNA
AM LOOP ANTENNA
FM UNBAL 75Ω
Open the lever and insert the end of the wire to the terminal. Return lever to original position.

3. Connect the FM T-type antenna.

Stretch tje antenna and affix it to a wall, etc.



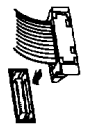
About the accessory AM loop antenna:

- Mount on a level surface and orient so that the clearest reception is produced.
- When mounting the antenna to a wall, first test to find the optimum position and orientation for reception, then use screws to attach the base.

About the accessory FM T-type antenna:

- When mounting the FM T-type antenna, stretch it tautly, without allowing it to drape over objects or become looped or tangled.
- The simple FM T-type antenna is provided to allow easy FM reception; for higher quality reception, the use of a specialized FM antenna is recommended.

4. Connect the CD player cable (RX-Q160/PD-Q160F only)

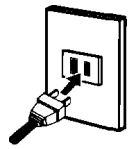
To connect	To disconnect
	
Press down connector securely until click is heard.	Press connector on both sides and lift up.

NOTE:

Never connect or disconnect the system cable when the unit's power plug is connected to an electrical outlet.

5. Finally, connect the deck-receiver's power cord to an electrical outlet.

Push the plug into the outlet securely.

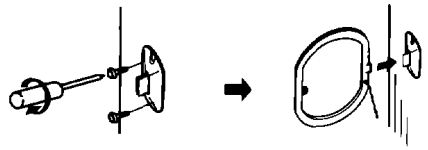


NOTE:

When the power cord is plugged into the outlet, the demonstration mode will begin automatically. To cancel the demonstration mode, see the cover page section regarding the demonstration mode.

■ Setting up the accessory AM loop antenna

To connect to a wall, etc.

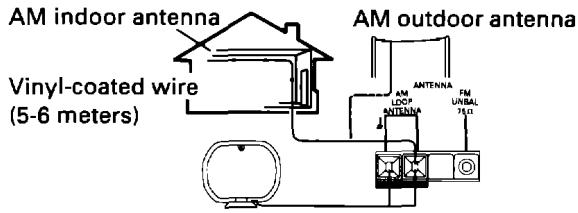


Fasten base with screws. Attach antenna. If using thumb tacks to mount antenna, use the center hole.

■ When reception quality is insufficient with the supplied antennas

- Purchase and connect outdoor AM and FM antennas (available commercially)

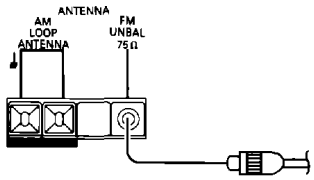
Connecting an external AM antenna



Do not disconnect the AM loop antenna, even when a separate AM antenna is connected.

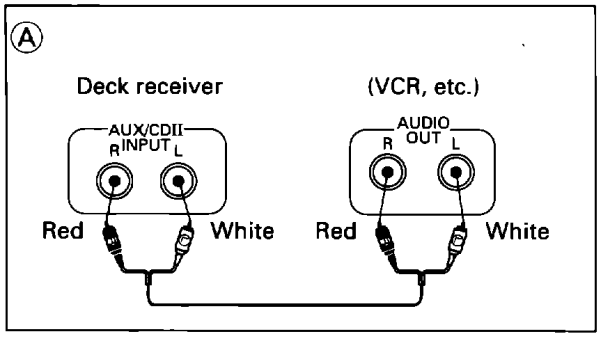
External FM antenna installation

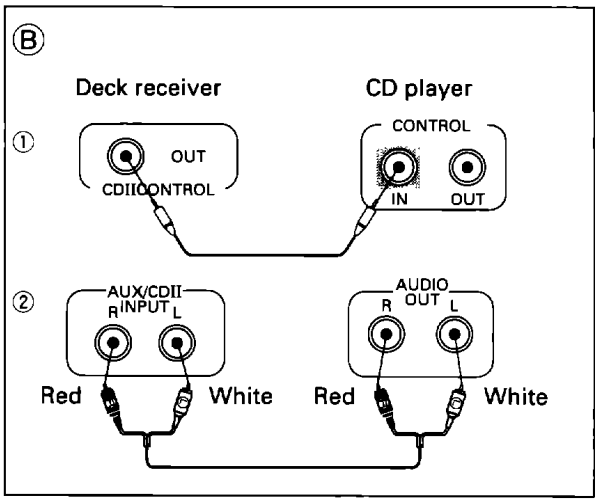
Use an external antenna when the signals from stations are weak and cannot be picked up by the accessory FM T-type antenna, or when the sound heard is accompanied by large amounts of noise.
Connect a 75 Ω coaxial cable.



Precautions regarding speaker placement

- Avoid installing speakers in places exposed to direct sunlight or near heating appliances, since the speaker cabinets may be deformed or become discolored, or the speakers may be otherwise damaged.
- Never install speakers in unstable locations, since they may fall and cause personal injuries or other damage.
- Do not connect speakers to amplifiers other than the one furnished with this system, since malfunctions, and in extremely rare cases, smoking or fire might occur.
- The speaker grille net coverings cannot be removed.
- Placing the speakers near a television set may cause color distortion in the TV image. In this case, increase the distance between the speakers and the television.





■ When connecting other components:

Ⓐ Connecting external components (VCR, etc.)

Use a commercially available pin-plug cord to connect the external components. For detailed directions, consult the instructions accompanying the component concerned.

NOTE:

A VCR deck or other external component cannot be connected when an additional CD player has been connected.

Ⓑ Connecting an Additional CD Player

An additional Pioneer CD player equipped with control input jack can be connected.

① Using a mini-plug cord, connect the CONTROL IN jack of the CD player to the CD-II CONTROL OUT jack of the deck receiver.

NOTE:

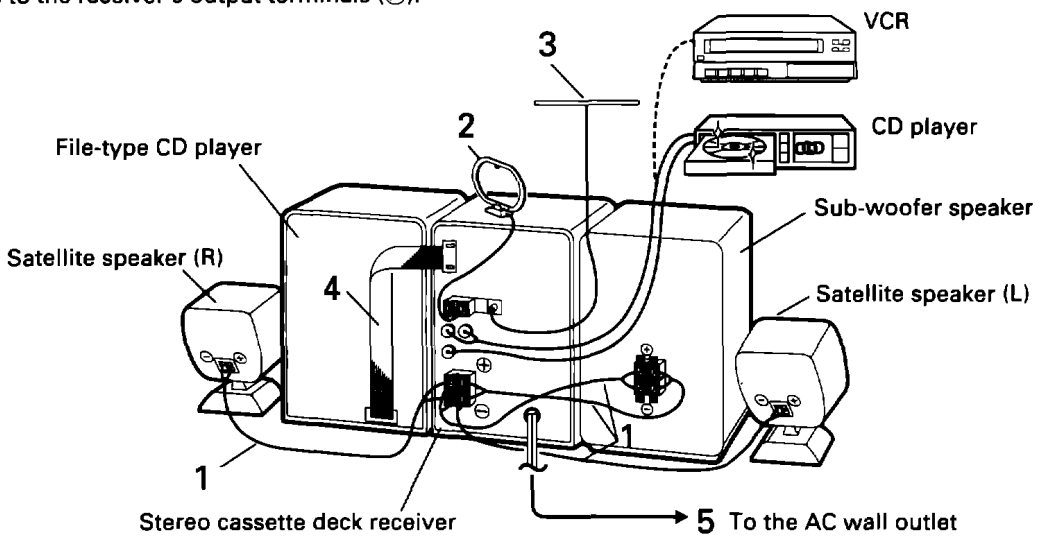
Use a mini-plug cord with a length of 3 m (9 ft) or less.

② Using a pin-plug cord, connect the CD player's output jacks to the input jacks of the deck receiver.

CONNECTIONS (Shown for RX-Q160/PD-Q160F/S-Q3D-LRW, XR-Q150/S-Q3D-LRW)

The illustration shows RX-Q160/PD-Q160F.

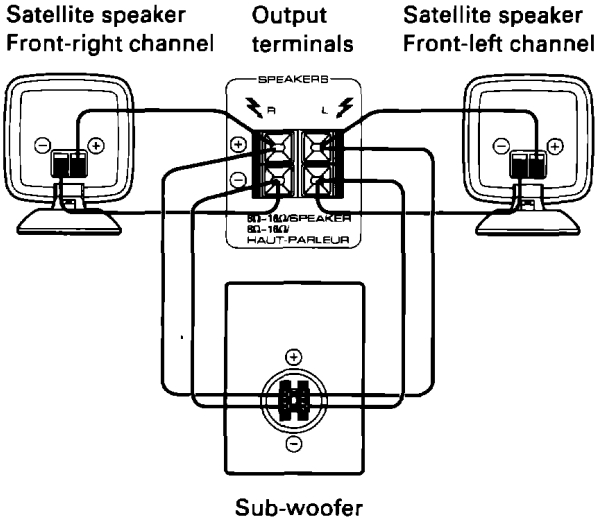
- The connections shown are parallel connections to the receiver's output terminals (Ⓐ).



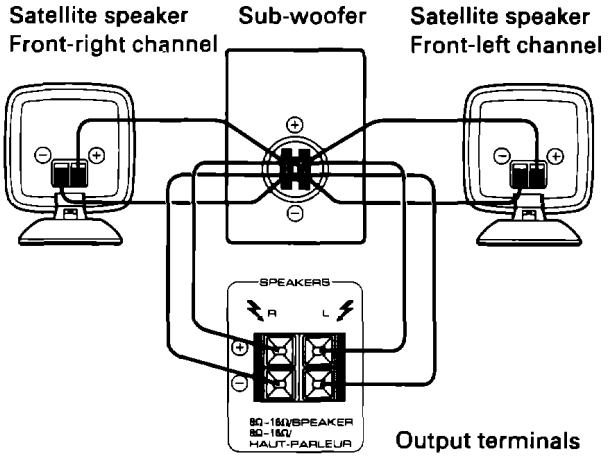
Before making or changing the connections, switch off the power switch and disconnect the power cord from the AC outlet.

- Connections for Nos. 2-5 can be found on pages 5-6. Connections for speaker 1 can be performed in one of three ways: Ⓐ, Ⓑ, Ⓒ as shown in the accompanying illustrations.

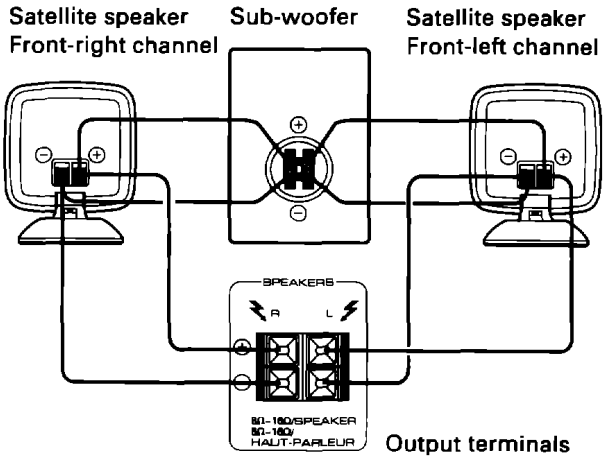
Ⓐ Parallel connections to output terminals of stereo cassette deck receiver:



Ⓑ Parallel connections to sub-woofer input terminals:

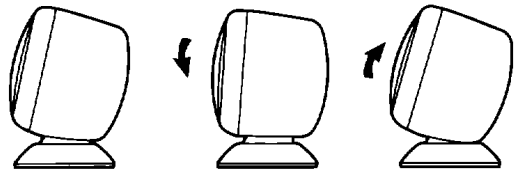


Ⓒ Parallel connections to satellite speaker input terminals:



Using Satellite Speakers

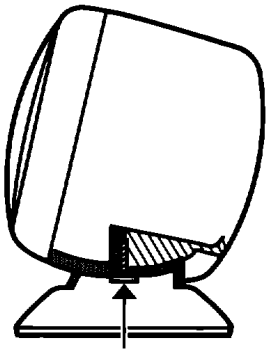
This speaker system can be used by tilting the speaker angle as shown in the accompanying illustration.



Standard | Downward angle | Upward angle

To use speaker in tilt position:

The speaker system's base has an adjusting screw underneath the base mount.



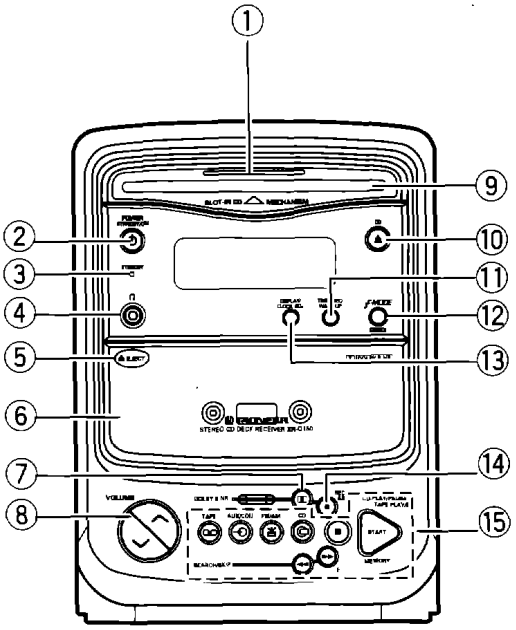
Adjusting screw

① Using a flat screwdriver, loosen the adjusting screw.
② Tilt the speaker to the desired angle.
③ Use the flat screwdriver to retighten the adjusting screw.

Pioneer Co., Ltd. accepts no responsibility for damage or injury resulting from improper assembly, installation, insufficient strength of installation, misuse, or natural disasters.

NAMES AND FUNCTIONS OF PARTS

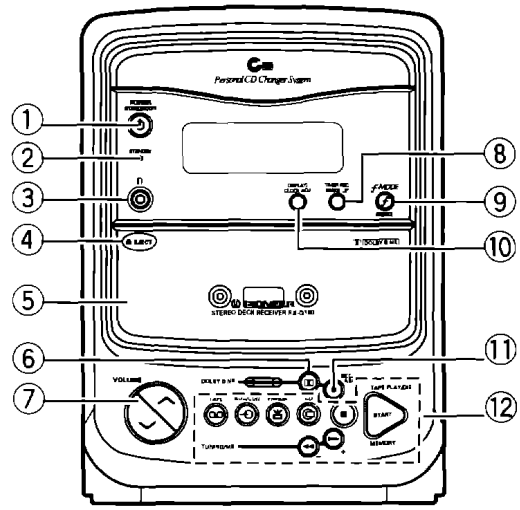
<XR-Q150>



STEREO CD DECK RECEIVER (XR-Q150)

① **CD Slot Indicator**
② **POWER STANDBY/ON switch**
③ **STANDBY indicator**
④ **Headphones jack**
⑤ **Cassette eject mark (▲ EJECT)**
⑥ **Cassette door**
⑦ **DOLBY* NR ON/OFF button**
⑧ **VOLUME ∨(down) /∧(up) button**
⑨ **Disc insert slot**
⑩ **CD eject button (▲)**
⑪ **TIMER REC/WAKE-UP button**
⑫ **ƒ-MODE button**
⑬ **DISPLAY/CLOCK ADJ button**
⑭ **REC/ASES button**
⑮ **Function buttons (Refer to P. 11)**

<RX-Q160>

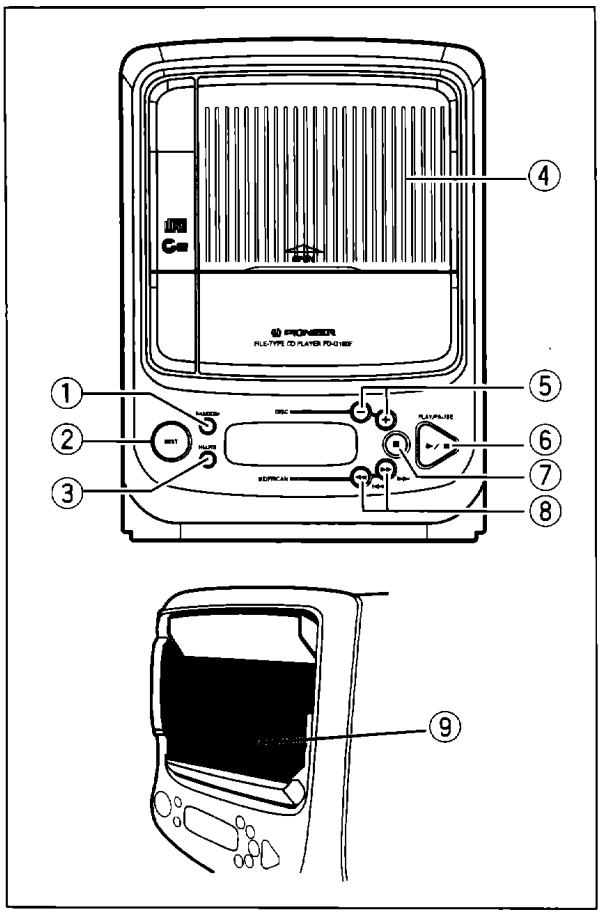


STEREO DECK RECEIVER (RX-Q160)

① **POWER STANDBY/ON switch**
② **STANDBY indicator**
③ **Headphones jack**
④ **Cassette eject mark (▲ EJECT)**
⑤ **Cassette door**
⑥ **DOLBY* NR ON/OFF button**
⑦ **VOLUME ∨ (down) /∧(up) button**
⑧ **TIMER REC/WAKE-UP button**
⑨ **ƒ-MODE button**
⑩ **DISPLAY/CLOCK ADJ button**
⑪ **REC/ASES button**
⑫ **Function buttons (Refer to P. 11)**

*

- *Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.*
- *"DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.*



FILE-TYPE CD PLAYER (PD-Q160F)

① **RANDOM button**

② **BEST button**

③ **HI-LITE button**

④ **Hood**
The rack ⑨ comes forward when the hood is opened.

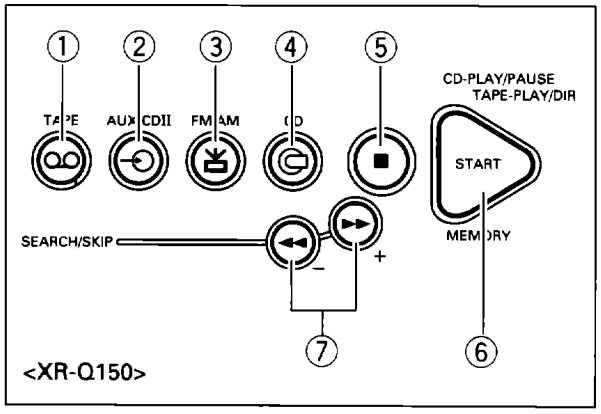
⑤ **DISC select buttons (+, –)**

⑥ **PLAY/PAUSE button (►/II)**

⑦ **Stop button (■)**

⑧ **Fast foward, fast reverse buttons (◄◄/I◄◄, ►►/►►I)**

⑨ **Rack**



<XR-Q150>

Function button section (XR-Q150/RX-Q160)

① **TAPE function button**

② **AUX/CDII function button**

③ **Tuner (FM/AM) function button**

④ **CD function button**

⑤ **Stop button (■)**

⑥ **START buttons**

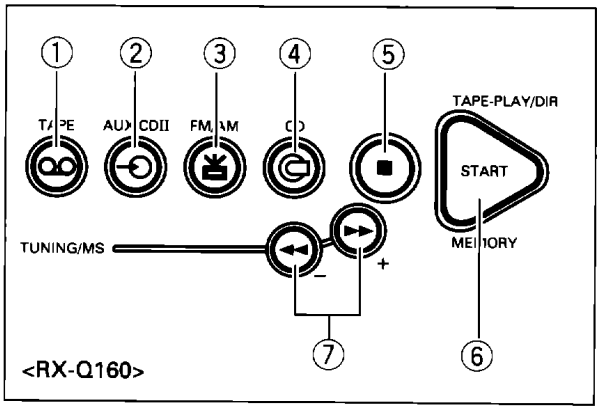
⑦ **Fast foward, fast reverse buttons**

- **Functions of the common operation buttons (the functions of the buttons vary, depending on the input device selected, as noted below).**

During CD input (XR-Q150 only)
START: Play/pause button
STOP: Stop button
►►: Fast forward/track search button
◄◄: Fast reverse/track search button

During cassette deck input
START: Play button/Tape transport direction
STOP: Stop button
►►: Fast forward/track search button
◄◄: Rewind/track search button

During tuner operation
START: Preset memory button
►►: Frequency + (up)/station select button
◄◄: Frequency – (down)/station select button.



<RX-Q160>

Display Mode

The three following display modes can be selected:

① NORMAL : Normal display contents with normal brightness.

② NIGHT : Display contents are same as NORMAL, but display brightness is reduced for use in a darkened room.

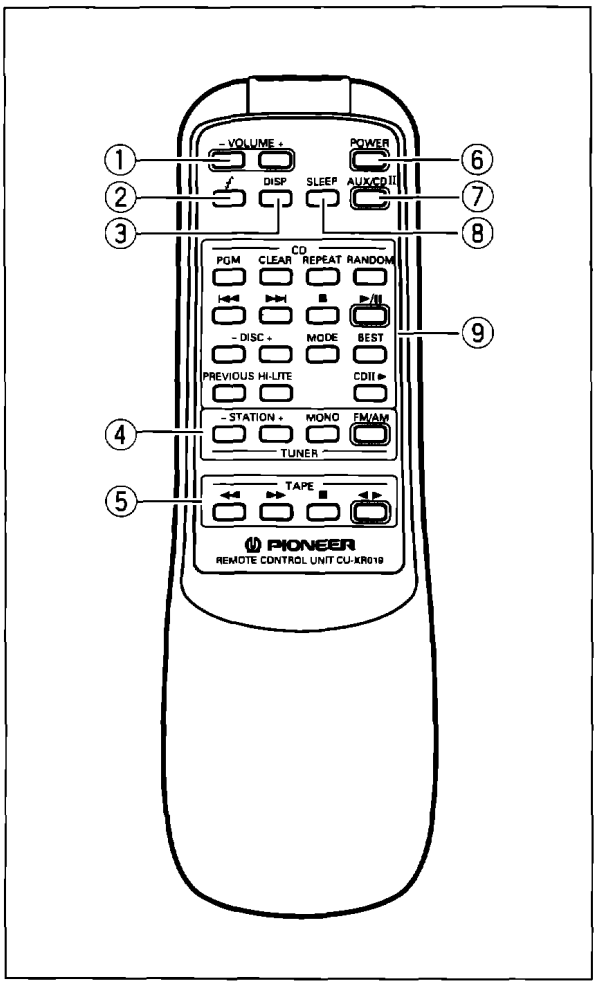
③ DISPLAY OFF : Abbreviated display contents are shown at NORMAL brightness (this setting is convenient when you wish to reduce display "clutter").

To Select Display Mode

1. Set power to OFF (STANDBY).
2. Press the REC/ASES button. The display changes in the following order:

NORMAL → NIGHT → OFF → NORMAL

- If the display mode is not changed as noted above, it remains as previously set regardless of whether the unit is ON/OFF.

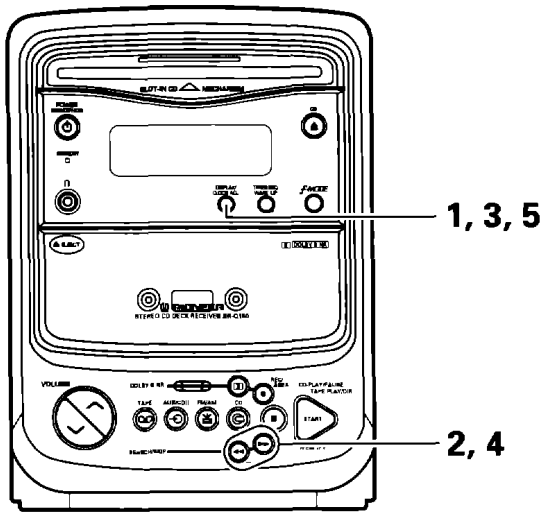


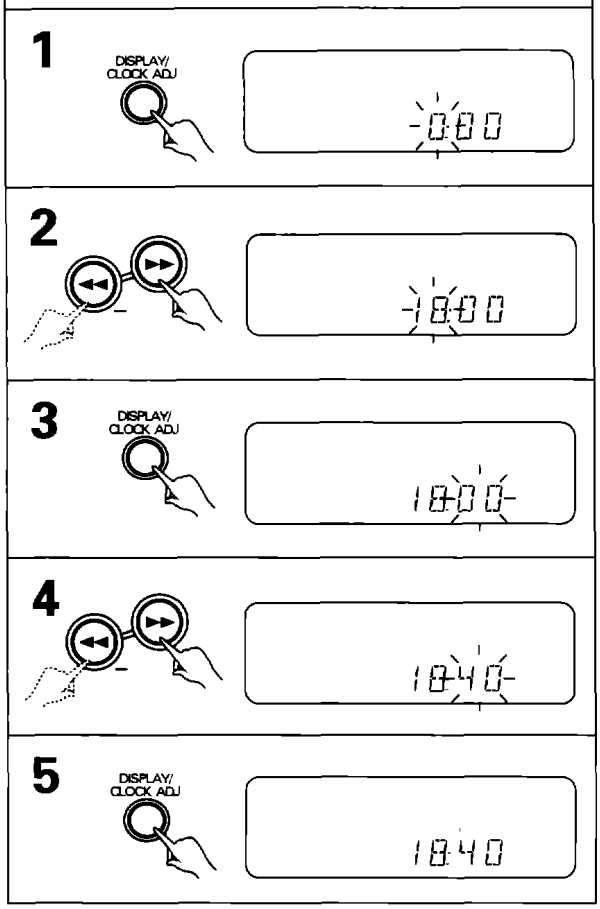
REMOTE CONTROL UNIT

① **VOLUME + (up)/– (down) buttons**
② **ƒ-mode button**
③ **DISP button**
④ **TUNER operation buttons**
–STATION+ : Station button
MONO : Monaural button
FM/AM : Tuner function button
⑤ **TAPE operation buttons**
◄◄ ►► : Fast forward, rewind buttons
■ : Stop button
◄ ► : Play button
⑥ **POWER button**
⑦ **AUX/CDII button**
⑧ **SLEEP button**
⑨ **CD operation buttons**
PGM : Program button
CLEAR : CLEAR button
REPEAT : REPEAT button
RANDOM : RANDOM button
|◄◄ ►►| : Search buttons
■ : Stop button
►/II : Play/pause button
*–DISC+ : DISC select button
*MODE : MODE button
*BEST : BEST button
*PREVIOUS : PREVIOUS button
*HI-LITE : HI-LITE button
*CDII ► : CDII play button

*Controls marked with an asterisk cannot be used in conjunction with the XR-Q150. They will operate, however, if a file-type CD player is connected. For details, consult the operating instructions of your file-type CD player.

The illustration shows XR-Q150.





SETTING THE CLOCK

- This clock provides a 24 hour display.

Example: Setting the clock to 18:40

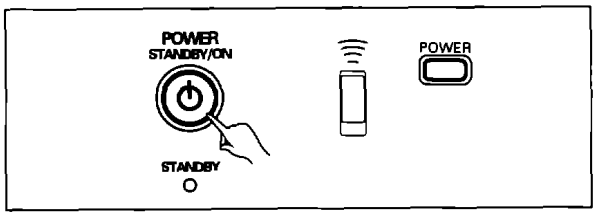
1. **With the power turned OFF, press the DISPLAY/CLOCK ADJ button.**
   - If the time display is flashing, press the DISPLAY/CLOCK ADJ button.
   - If the time display is not flashing (when resetting the time after it was previously set), hold the DISPLAY/CLOCK ADJ button depressed for four or more seconds.
2. **Use the fast-forward and fast-reverse buttons to set the "Hour" digits.**
3. **Press the DISPLAY/CLOCK ADJ button.**
4. **Use the fast-forward and fast-reverse buttons to set the "Minute" digits.**
5. **To start the clock operating at the time set, press the DISPLAY/CLOCK ADJ button.**

NOTES:

- *The current time must be set correctly in order to use the timer playback and timer recording functions; be sure to set the time.*
- *The clock time cannot be set via the remote control unit.*
- *When the power is ON, pressing the DISPLAY/CLOCK ADJ button several times will cause the current time display to appear.*
- *If the power cord is disconnected or power is interrupted for other reasons, the time display will flash when power is restored. In this case, reset the time as noted above.*

TURNING ON THE POWER

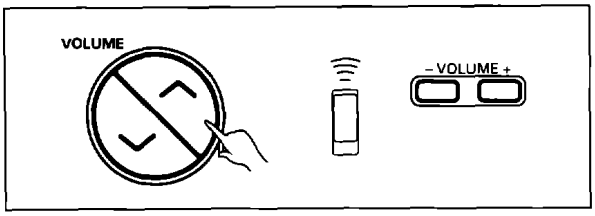
- Operation indicated by the [] mark are performed with the remote control unit.
- Read "CONNECTIONS" again and ensure that speakers, antenna, etc., are connected properly.



Press the POWER switch.

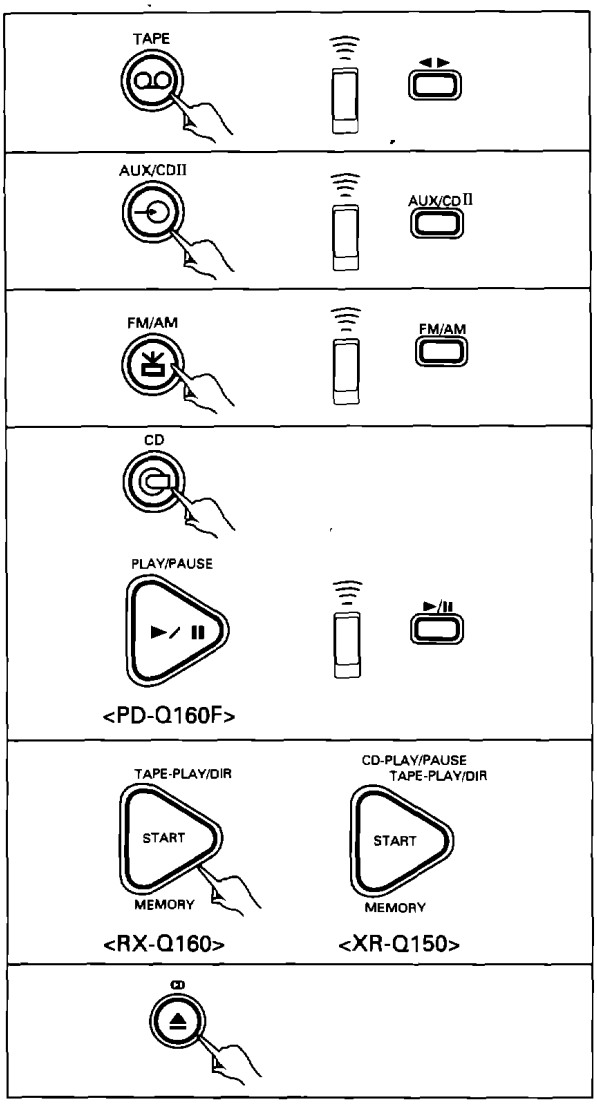
To switch the power OFF:
Press the POWER switch again.
The clock display disappears and the STANDBY indicator lights.

To Adjust the Sound Volume



Press the VOLUME button as desired.
Press the "∨" side to reduce the sound volume, and press the "∧" side to increase the sound volume. Hold the button depressed for to change the sound volume more quickly.

Direct Power On



Perform any of the following operations while the system power is off (STANDBY) turns the power ON.

Pressing TAPE function button:
If a cassette is loaded, playback will begin.

Pressing the AUX/CDII button:
If the component connected to the AUX/CDII jacks is properly loaded, playback will begin.

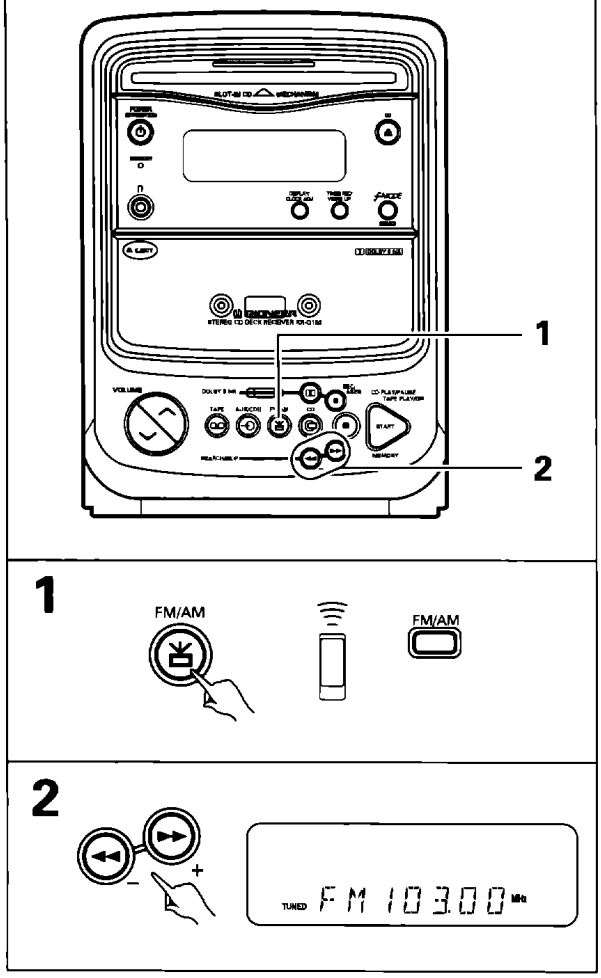
Pressing the tuner (FM/AM) function button:
AM or FM radio broadcasts will be received.

Pressing the CD function button:
If a CD is loaded, playback will begin.
When a CD is placed in the disc insert slot, the disc will be loaded and playback will begin (XR-Q150 only).
Pressing the PLAY/PAUSE button on the file-type CD player section will also cause playback to begin, if a disc is loaded. (PD-Q160F only)

Pressing the START button:
The function selected before the power was previously turned off will automatically begin playback.

Pressing the CD ⏏ button (XR-Q150 only):
If a disc is loaded, it will be ejected, and the power will turn off again.
If the ejected disc is not removed by the user within a few seconds, it will be automatically reloaded and playback will begin.

The illustration shows XR-Q150.



TUNING INTO STATIONS

- Be sure to connect the antennas.
- Do not place the AM antenna on a metallic case including the receiver cabinet or near a CD player, LD player, DAT recorder, personal computer or TV set. Any of these installations will cause noise in reception.

1. **Press the tuner (FM/AM) function button.**
   Select the AM or FM broadcasting band.
   Each time the button is pressed the broadcast band changes in the following order:

   FM → AM → STATION →

   When using the remote control unit:

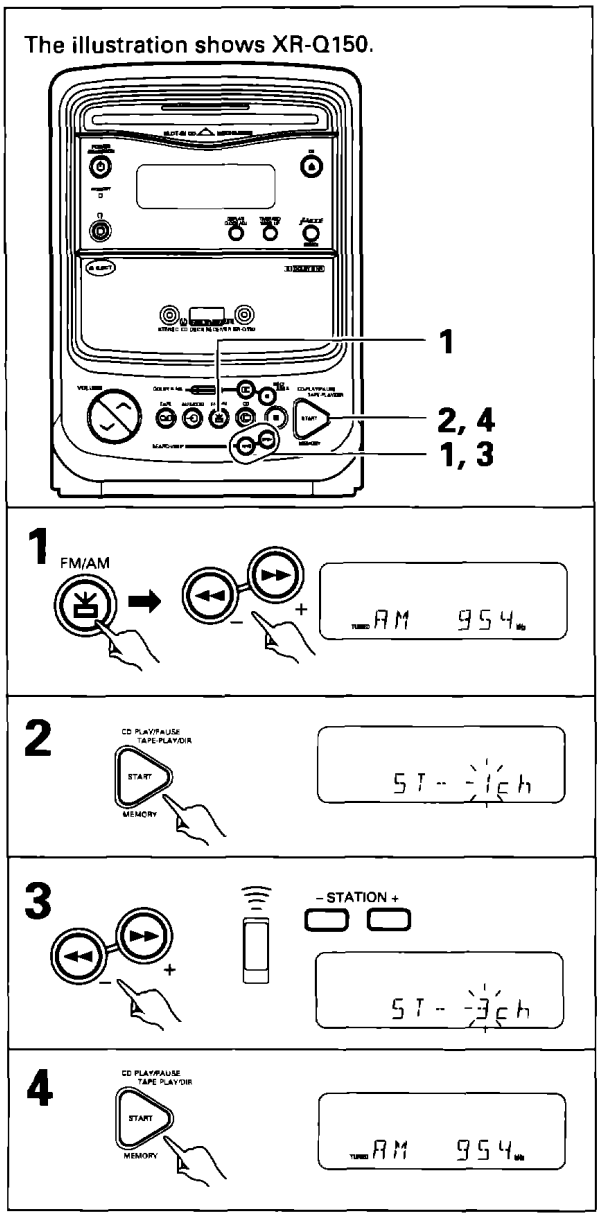
   FM → AM →

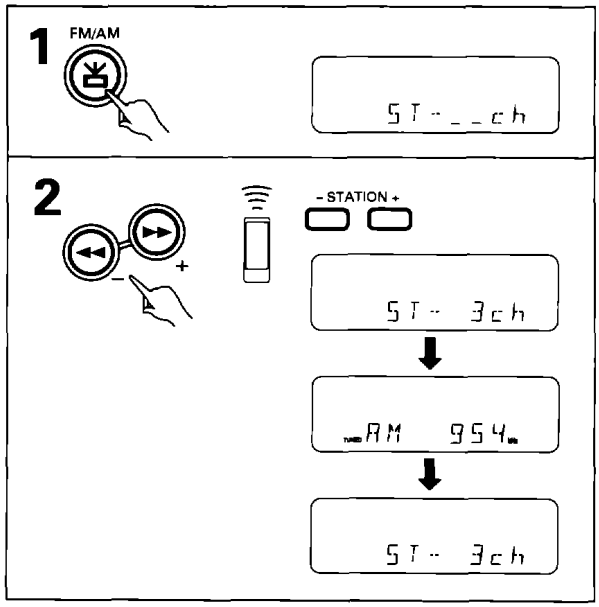
2. **Use the fast forward and fast reverse buttons to set to he reception frequency desired.**
   - **Manual tuning:**
     Press the button quickly and release; the frequency will change in individual steps.
   - **Auto tuning:**
     Press the button for 1-2 seconds, and release when the frequency display begins changing; the frequency will change automatically until a station is found.
   - **High-speed manual tuning:**
     Hold the button depressed continuously and the frequency will change continuously. Release the button when the desired frequency is reached.

When Excessive Noise is Present in Stereo Broadcasts

When attempting to tune in a distant station, or in regions where radio waves are weak, reception of stereo broadcasts may be accompanied by large levels of noise. In this case, press the MONO button. The reception mode will change to monaural (the MONO indicator will light), but the level of noise will be reduced. When the MONO indicator is lighted, broadcasts cannot be received in stereo.
When the remote control unit's MONO button is pressed, the mode changes in the following order:

AUTO → MONO →





PRESETTING STATIONS

Preset Memory

- Up to 24 FM/AM stations can be stored in the unit's memory in any desired order.

Example: To store AM 954 kHz as preset station 3

1. **Press the tuner (FM/AM) function button and select AM band, then use the fast forward and fast reverse buttons to tune in 954 kHz.**
2. **Press the START button.**
3. **While the indicator is flashing, use the fast forward and fast reverse buttons to select the memory channel into which you wish to store the station.**
4. **Press the START button.**
   The memory channel number will begin flashing faster, indicating that the number has been stored in memory. About two seconds later, the unit will return to continue reception of the selected channel.

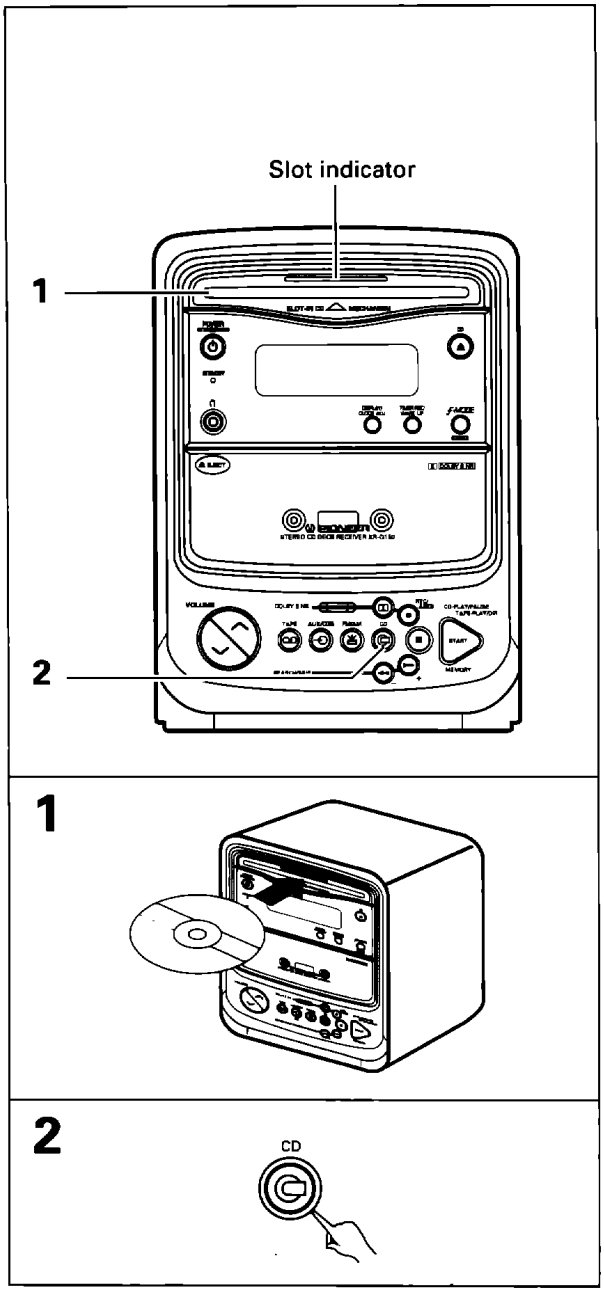
Station Call

Example: To call up the station broadcasting at AM 954 kHz, which was stored in memory as preset station 3 (see above).

1. **Press the tuner (FM/AM) function button several times to set to STATION.**
   - This operation is not necessary when using the remote control unit.
2. **Use the fast forward and fast reverse buttons to select the preset station number of the station you wish to listen to. When using the remote control unit, press the STATION button.**

NOTES:

- *The ON/OFF setting of the MONO button is also stored together with each station preset in memory.*
- *If a new station is stored in a preset channel that has already been used to store a station, the previously stored station will be erased and replaced by the newly selected station.*



<For XR-Q150> TO LISTEN TO A COMPACT DISC (CD)

To Listen to a Disc Beginning from Track 1

* One-Touch Slot Loading

1. Insert a CD to the disc insert slot.

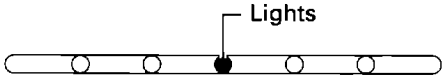
- With the disc's label surface (the side with the writing indicating the name of the disc) facing upward, slide the disc gently into the slot. After it has been pushed into the slot a certain distance, it will be automatically pulled the rest of the way into the slot and loaded.
- When the disc has been loaded, playback will begin from track 1.

2. If a disc has already been loaded, press the CD function button.

NOTES:

- *8 cm discs can be used as is; do not an adapter when loading them.*
- *Only one disc can be loaded at a time. Be sure to press the eject (CD ⏏) button and remove any loaded disc before attempting to load a new one.*
- *Do not disconnect the power plug or otherwise interrupt power while a disc in the process of being loaded. If the power is interrupted in this way, the disc will be ejected from the player when power is restored.*

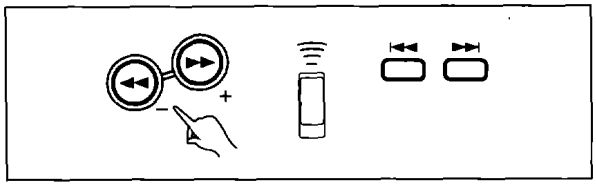
*** Regarding the slot indicator:**



- The indicator flashes while a disc is being loaded, ejected, or during track search.
- When a disc is already loaded, the indiator lights steadily.

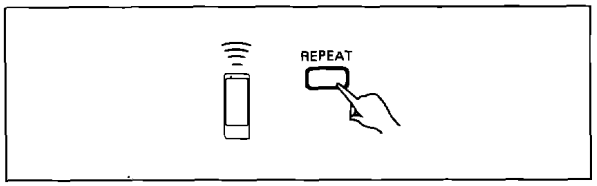
- **To stop playback, press the stop button.**
- **To pause playback, press the START button.**
- **To remove the disc, press the eject (CD ⏏) button (on main unit only).**
- **To search for a specific track, press the fast forward/ fast reverse (◄◄ ►►) buttons (on the remote control unit, press the search buttons (I◄◄ ►►I)).**
- **To advance or go back quickly through a disc, hold the fast forward/fast reverse buttons (◄◄ ►►) depressed continuously (main unit only).**

<For XR-Q150>
VARIOUS OPERATIONS OF THE CD PLAYER



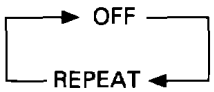
To Play Back Desired Track

Perform this operation when the unit is set to CD function.
During playback or when in the stop mode, press the fast forward / fast reverse buttons to select the desired track number (on the remote control unit, press the search buttons).
During the stop mode, press the START button after selecting the track number.



To Repeat Playback (Repeat Play)

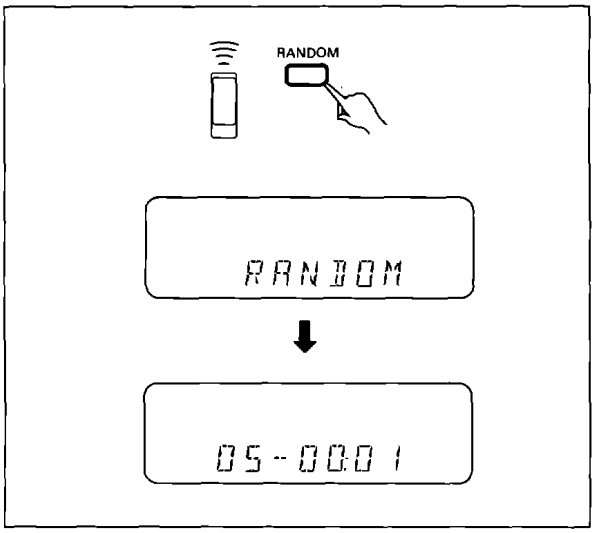
During playback or when in the stop mode, press the REPEAT button. Each time the button is pressed, the function switches in the following order:



The indicator lights when the unit is in the repeat mode.

NOTES:

- *To perform repeat play of a single track, see P. 19 to program the desired track, then press the REPEAT button.*
- *When programmed playback is in effect, the programmed contents will be played repeatedly.*
- *When the REPEAT button is pressed during random playback, all the tracks on the disc will be played repeatedly in random order (random repeat).*

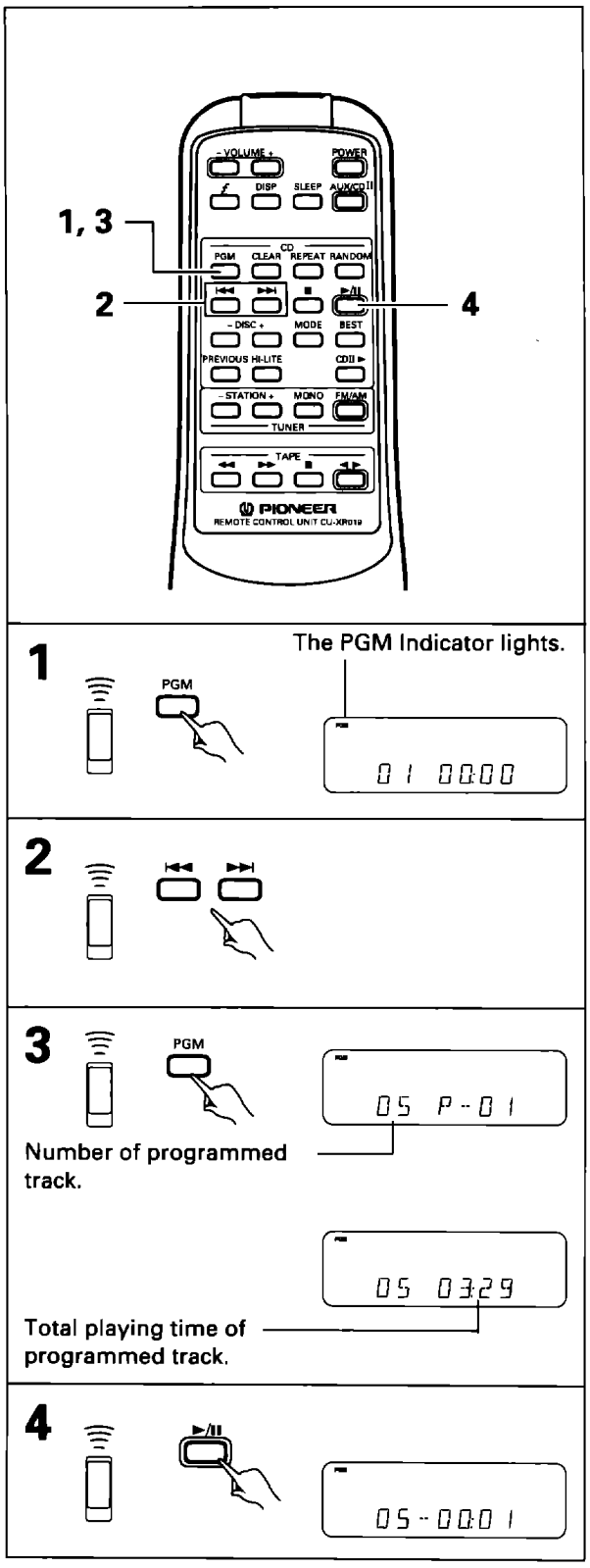


To Play Tracks in Random Order (Random Playback)

- The tracks on the disc are selected and played back one time each in computer-selected RANDOM order.
- A maximum of 99 tracks can be played.
  During playback or when in the stop mode, press the RANDOM button. When all tracks on the disc have been played back one time each, the playback will stop.
- To cancel RANDOM playback, press the stop button.

NOTE:

Programmed tracks cannot be played back in random order. If the RANDOM button is pressed when tracks have already been programmed, the program will be canceled and the unit will begin random playback.



Program Playback - to Program Tracks in Desired Order

- A program of playback can include up to 24 steps.
- Use the remote control unit to perform this operation when the unit is set to CD function.

Example: To program track number 5 as one step.

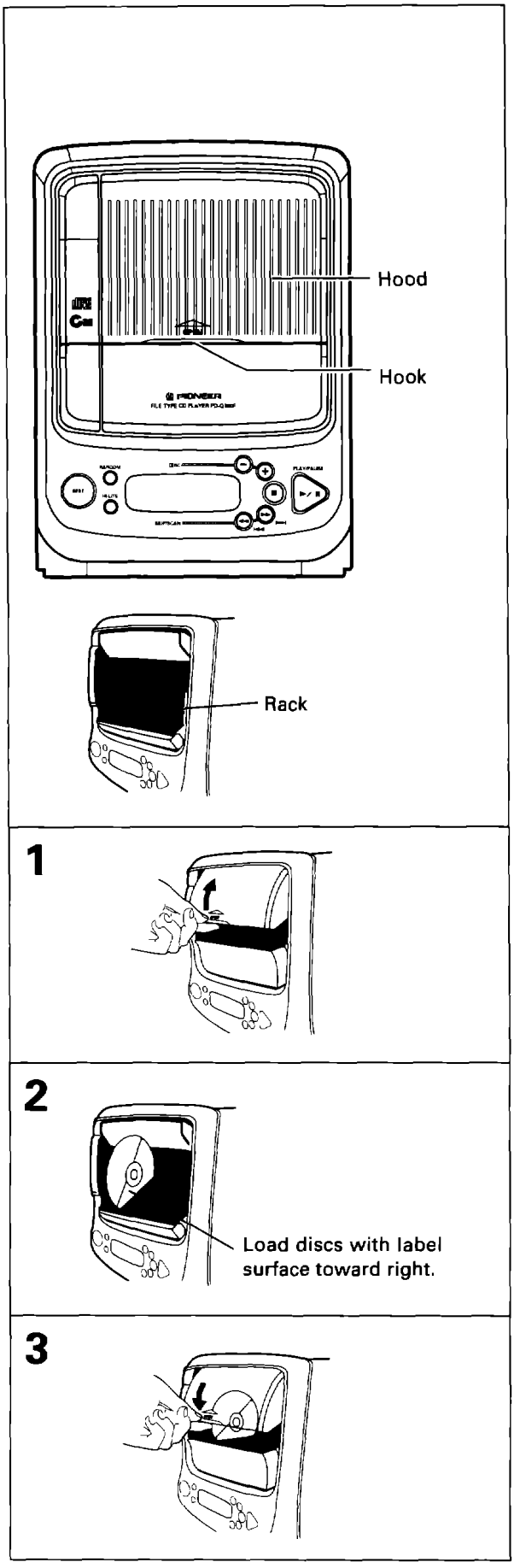
1. **With the unit in the stop mode, press the PGM button.**
2. **Press the search buttons (|◄◄ ►►|) as required to select the number of the desired track.**
3. **Press the PGM button.**
   Repeat steps 2 and 3 to program subsequent steps.
4. **When you have programmed all desired tracks, press the play/pause button (►/II) to begin playback of the programmed tracks.**

■ To cancel a program:

- During playback, press the stop button two times. (If the unit is already stopped, press the stop button once.)
- Press the main unit's CD ▲ button to remove the disc. When the program is canceled, the PGM indicator will no longer be lighted.
- To cancel individual steps of the program, press the remote control unit's CLEAR button during playback. The program will be canceled in steps, beginning with the last step programmed.

NOTES:

- *Programming of tracks cannot be performed when playback has already begun.*
- *The contents of a program will be maintained in memory even when power is turned off (STANDBY), unless manually canceled by one of the methods noted above.*



<For PD-Q160F> TO LISTEN TO A COMPACT DISC (CD)

Be sure to read these instructions before operating.

Load a Disc

- Up to 25 discs can be loaded in the rack at one time.
- The rack's loading slots are numbered consecutively from the left.

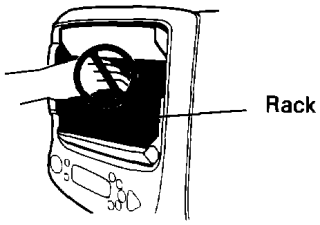
1. **Hold the hood by the hook handle. Open the hood.**
   The rack will come forward.
2. **Load discs, being careful to confirm that the label surface is on the right side.**
3. **Press the hook and close the hood.**
   - The unit cannot be operated when the hood is open.

■ **To remove discs:**

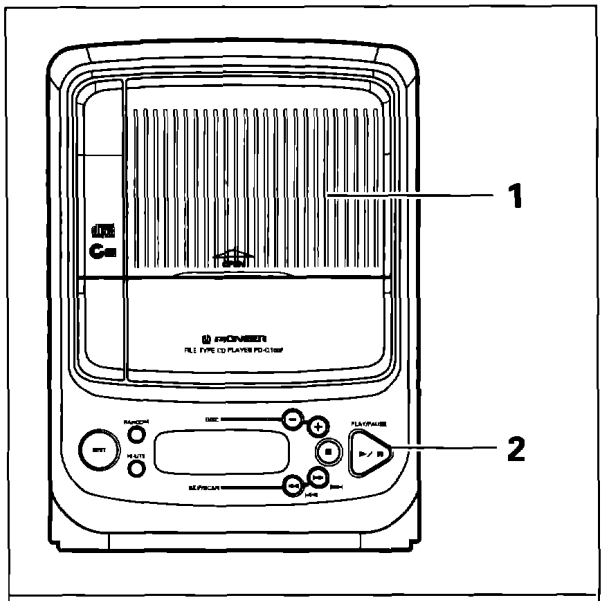
1. **With the unit stopped, open the hood.**
2. **Remove discs from the rack.**

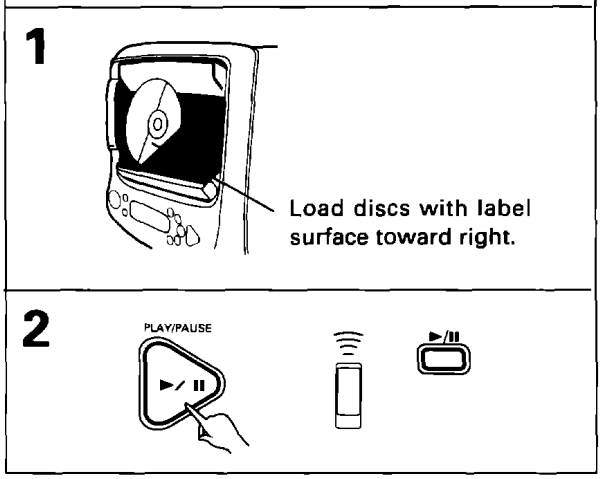
NOTES:

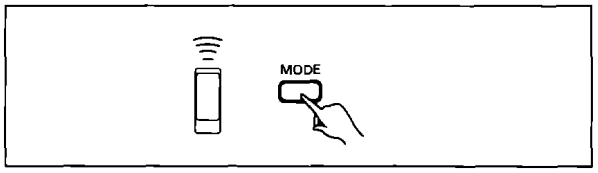
- *The hood cannot be opened during playback, disc search, and for about 10 seconds immediately following completion of playback. If you attempt to open the hood in such cases, the "LOCK" message will flash on the display; in this case, quickly close the hood and wait until the "LOCK" message disappears before attempting to open the hood again.*
- *Discs cannot be played if loaded with the label surface to the left. Be sure the label is on the right side when loading discs.*
- *Do not attempt to open the hood forcibly.*
- *Open and close the hood gently.*
- *The unit cannot be operated when the hood is open. Be sure to shut the hood before attempting to operate the unit.*
- *Take care not to pinch fingers when closing the hood. Never place your hand or objects inside the unit.*



- *Never place any objects other than discs inside the unit.*
- *Load only one disc per rack groove.*
  Attempting to load more than one disc in a slot may cause unit malfunction and damage to the discs.
- *Do not use adapters when loading 8 cm discs.*
- *If 12 cm and 8 cm discs are loaded in alternate order on the rack, the changer may have difficulty changing the discs. If you wish to load 12 cm and 8 cm discs at the same time, we recommend that 12 cm discs all be loaded beginning on the left side of the rack, and all 8 cm discs be loaded beginning on the right side of the rack.*
- *When moving this unit, be sure to remove all discs from the rack, set the power to OFF (STANDBY), and disconnect the power cord.*







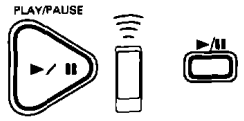
To Listen to a Disc Beginning from Track 1

1. **Insert discs into the rack.**
   Close the hood.
   - The unit will not operate when the hood is open.

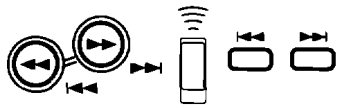
   NOTE:
   Attempting to load more than one disc in a slot may cause unit malfunction and damage to the discs.
2. **Press the PLAY/PAUSE button.**
   Playback will begin from the first track of the lowest numbered disc loaded.
   - Choose the playback mode first to enjoy various kinds of listening.

- **To stop playback:**
  Press the stop button.

- **To pause playback:**
  Press the PLAY/PAUSE button.

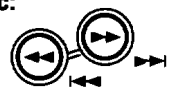


- **To go to the beinning of the next or previous track:**



Press the fast forward/fast reverse button and release quickly. (When using the remote control unit, press the search button).

- **To move quickly through a disc:**
  Press and hold the fast forward/fast reverse button (main unit only).



To Select Playback Mode

Press the MODE button during playback, or while the unit is in the stop mode.
Each time the button is pressed, the mode changes as shown below, allowing you to select the desired playback mode.

ALL : All discs are played
SINGLE : One disc only is played.

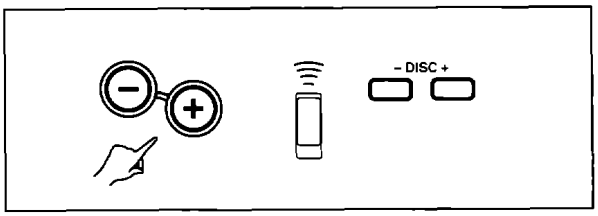
- If the SINGLE mode is selected during playback, the currently playing disc will play in SINGLE mode.
- If the MODE button is pressed during the program mode, the programmed contents will be canceled.

NOTES:
- *Whenever the power button is set to ON, the most recently set mode will be automatically selected.*
- *If no playback mode is selected, the ALL mode will be selected by default.*

■ Last Disc Memory

When the stop button is pressed or the power is turned off, the unit memorizes which disc was playing last. When power is then turned on again and the PLAY/PAUSE button is pressed, playback resumes from the previously playing disc.

<For PD-Q160F>
VARIOUS OPERATIONS OF THE CD PLAYER

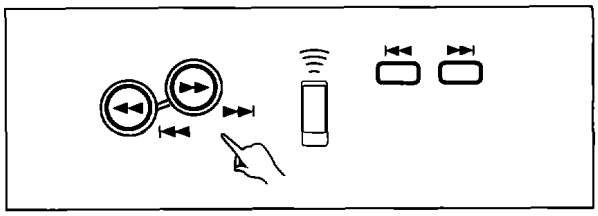


- Perform these operations when the unit is set to the CD function.

To Begin Play from a Certain Disc

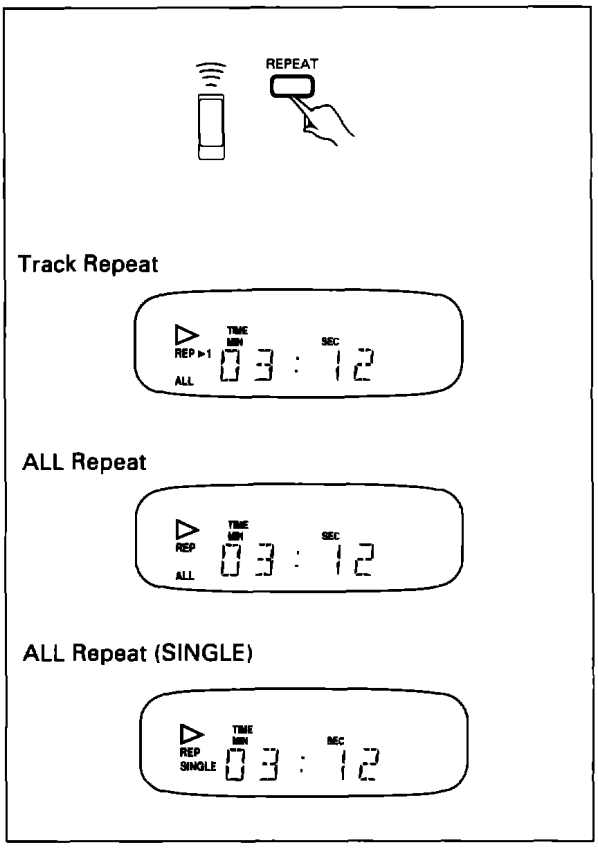
During playback or when the unit is in the pause mode, you can press one of the DISC select buttons (+, –) to select a specific disc.
When selecting a specific disc from the pause mode, press the PLAY/PAUSE button to resume playback.

- Playback begins from the first track on the disc.
- When using the remote control unit, press the DISC select button (+, –) to select the desired disc, then press the PLAY/PAUSE button to begin playback.



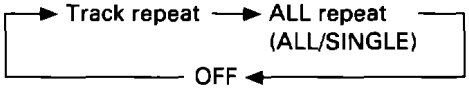
To Begin Play from a Specific Track

During playback or when the unit is in the stop mode, press the fast forward/fast reverse button to select the number of a desired track. When using the remote control unit, press the search button.
When performed from the stop mode, select the desired track, then press the PLAY/PAUSE button to begin playback.



To Repeat Playback (Repeat Play)

Press the REPEAT button during playback. Each time the button is pressed, the repeat mode changes as follows:



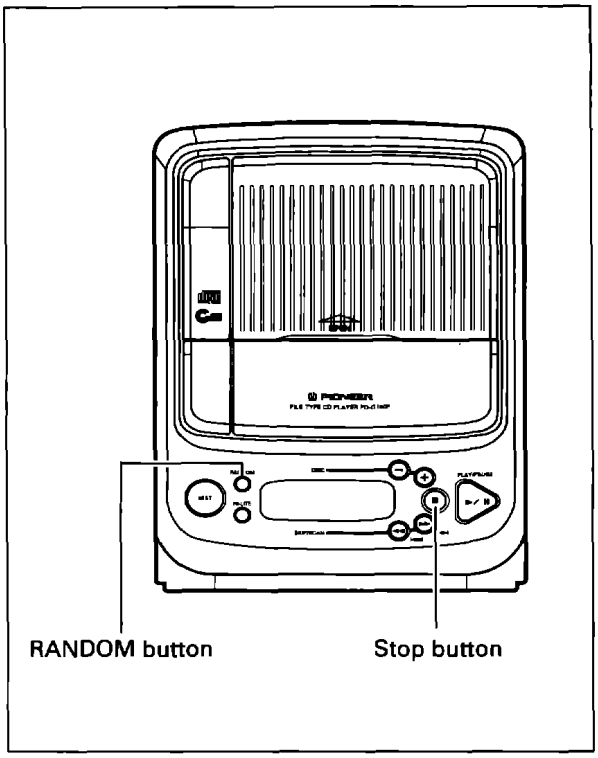
[Track Repeat]
During normal playback, random playback, or programmed playback, the currently playing track or the track you are about to select, will be played repeatedly.

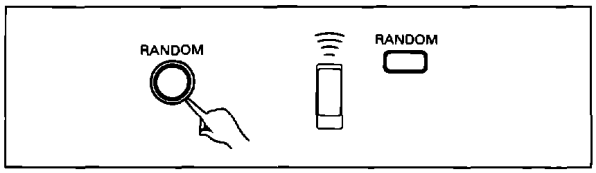
[ALL Repeat]
Depending on the playback mode (see P. 21), the following two kinds of repeat play are performed:

ALL : All tracks on all discs (1-25) are played repeatedly.
SINGLE: All tracks on the selected single disc are played repeatedly.

[OFF]
Repeat play is canceled and normal playback is resumed.

- To stop playback, press the stop button.





Playback in Random Order

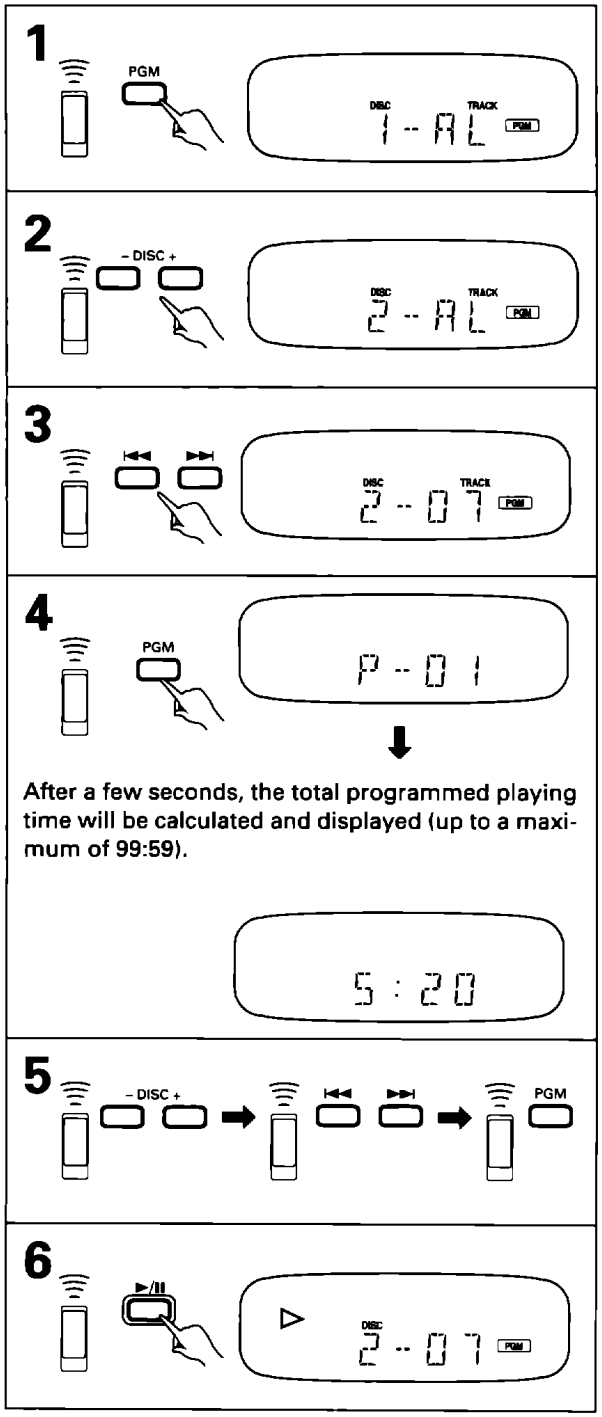
In accordance with the playback mode (see below), all tracks played one time each in randomly selected order. Playback stops when all tracks have been played.

Playback Mode	Playback Contents
ALL	Up to 25 tracks on all discs (1-25) are played in random order.
SINGLE	All tracks on the single disc are played in random order.

To select random playback, press the RANDOM button during playback or when the unit is in the stop mode.

NOTES:

- *When program play has been selected, the programmed contents cannot be played back in random order. If the random button is pressed during program play, the programmed contents will be canceled and playback will begin in the all-random mode.*
- *If all-random playback is selected when fewer than 25 discs are loaded, the same track may be played more than once.*
- *If the REPEAT button is pressed during random play, the contents of the selected playing mode will be played back repeatedly (random repeat mode).*
- *If the DISC select (+,–) buttons are pressed during random mode, the random playback will be canceled.*
- *If the MODE button is pressed during random playback, the selected mode will be played in random order.*



Program Playback - to Program Tracks in Desired Order

- Programs may contain up to 32 steps.

Example Program:

Step 1: 7th track on disc 2.
Step 2: 3rd track on disc 5.

1. **With the unit stopped, press the PGM button.**
2. **Press the DISC select button to select the number of the disc.**
3. **Press the search buttons (⏮ ⏭) to select the track number.**
4. **Press the PGM button.**
5. **Repeat steps 2-4 to program other discs and tracks.**
6. **Press the play/pause button (▶/II). The selected tracks will begin playback in the programmed order.**

<Disc All Program>

Perform operations 1, 2, and 4 as noted above. All tracks of the selected disc will be programmed.

- **To cancel a program:**

During playback, press the stop button two times (if the unit is already stopped, press the stop button once). During playback or when the unit is in the stop mode, press the MODE button or RANDOM button. (The program can be canceled also by pressig the PREVIOUS button or BEST button.)

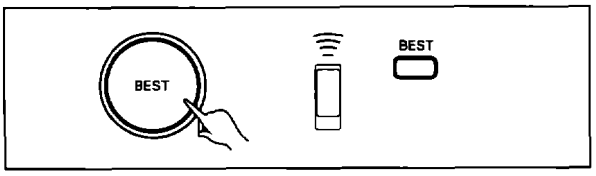
- **To cancel a program step:**

With the unit stopped, press the remote control unit's CLEAR button. Each time the button is pressed, the most recently programmed step will be canceled.
During playback, if the selected disc is not physically present, or if the disc has been loaded incorrectly, the display will show "**-no"; the unit will then cancel that step and then proceed automatically to the next programmed step.

- Programmed contents are maintained in memory even when the power is turned off (standby mode).

NOTES:

- *Programming cannot be performed once playback has started.*
- *If step 6 is performed before the total playing time is displayed, programmed play will start immediately and the time display will not appear.*



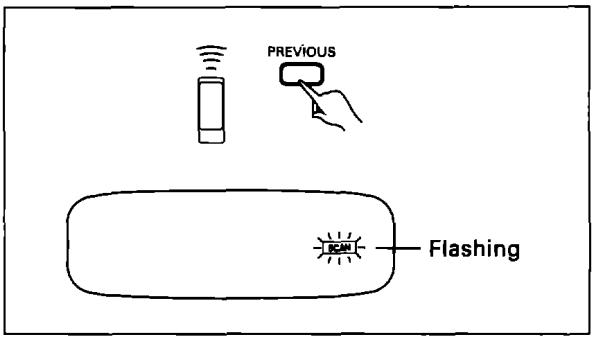
Best Selection Memory

- A simple way to store your favorite tracks in memory for future playback is to press the BEST button during playback of the tracks. Up to 25 tracks can be stored in the "best memory."

To store the currently playing track in the "best memory," press the BEST button.
The BEST indicator will flash and the disc number and track number will be stored in memory.

■ To play a track stored in the "best memory."
While the unit is stopped, press the BEST button. The BEST indicator lights. The tracks are played back beginning with the most recently stored track number.

- If the CLEAR button is pressed during best collection playback, the currently playing track will be canceled from the "best memory."
- During playback in the best selection mode, the BEST button cannot be used to store tracks.
- The best selection memory is maintained even when the power is turned off (standby mode).
- If the BEST button is pressed to store a track when the memory already holds 25 tracks, the oldest track in memory will be erased and replaced by the currently selected track.



Previous Disc Scan

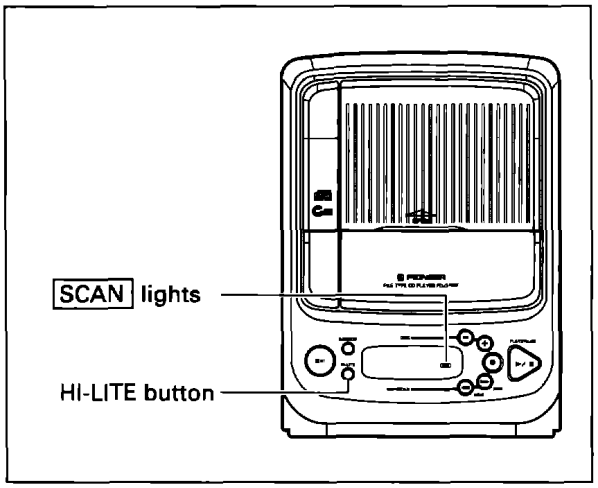
- With this function, discs are scanned in order, beginning with the most recently played disc, thus allowing you to find a desired disc.
- A maximum of 25 discs are memorized. When 25 discs are exceeded, the oldest discs are canceled from memory.

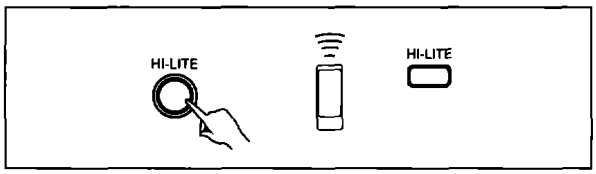
Example: When you have played discs in the order 1, 2, 9, 12, and 13:

During playback, pressing the PREVIOUS button will result in the following:
The discs will be scanned in the order 13, 12, 9, 2, and 1. During scanning, the first track of each disc will be played back for ten seconds, beginning from a point about one minute from the start of the track.

When you find the disc you wish to listen to: Press the START button.

- The previous disc scan mode is canceled and playback begins on the selected disc.
- To cancel the previous disc scan mode, press the stop button.
- Discs played with the random playback, program play, best selection memory, or hi-lite scan modes are not included in the previous disc scan.
- If the first track of a disc has a playing time of less than one minute, the first ten seconds of the track will be scanned. If the first track's playing time is less than ten seconds, the entire track will be played.





To Search Quickly for a Track on a Disc (Hi-lite Scan)

In accordance with the play mode selected, the tracks on the disc will be played back for about ten seconds, beginning from a point about one minute from the start of the track.

<Disc Scan>
With the unit stopped or playing, press the HI-LITE button once.

- Each disc will be scanned in order. During scanning, the first track of each disc will be played back for ten seconds, beginning from a point about one minute from the start of the track. (The "DISC" indicator will flash.)

<Track Scan>
With the unit stopped or playing, press the HI-LITE button two times.

- Each track of each disc will be scanned in order. During scanning, each track of each disc will be played back for ten seconds, beginning from a point about one minute from the start of the track. (The "TRACK" indicator will flash.)

<Program Scan>
During program playback, press the HI-LITE button.

- Each track of the program will be be scanned in programmed order. During scanning, each track of the program will be played back for ten seconds, beginning from a point about one minute from the start of the track.

<Best Selection Memory Scan>
During best-selection memory playback, press the HI-LITE button.

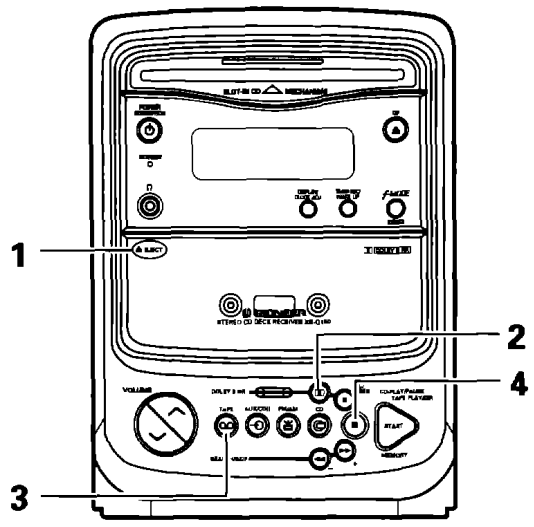
- Each track in the best selection memory will be scanned. During scanning, each track stored in the best selection memory will be played back for ten seconds, beginning from a point about one minute from the start of the track.

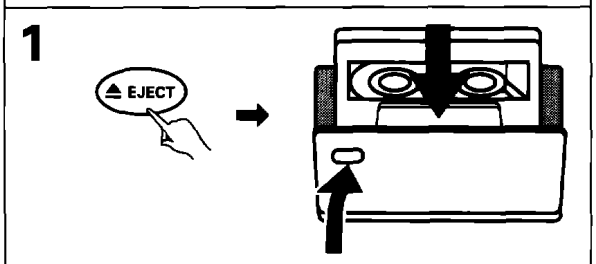
To switch to normal playback:
When you find a track you wish to listen to, press the PLAY/PAUSE button. The Hi-Lite scan will be canceled and normal playback will commence. To cancel the Hi-Lite scan mode, press the stop button.

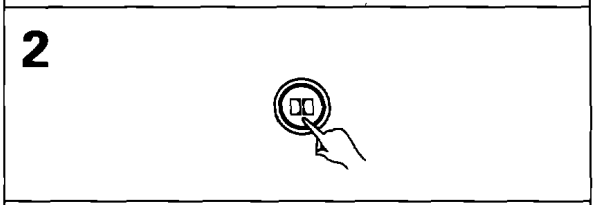
NOTES:

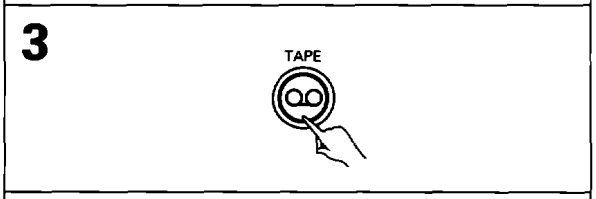
- *During track scan, the fast forward button can be used to skip to the next track. (When using the remote control unit, press the search button.)*
- *If the all-track repeat mode is selected, the Hi-Lite scan will be repeated.*
- *Tracks with playing times of less than one minute (or your alternately selected time) will be played for ten seconds from the beginning of the track. If a track's playing time is less than ten seconds, the entire track will be played.*

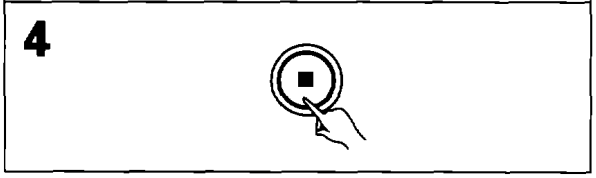
The illustration shows XR-Q150.











TO LISTEN TO A CASSETTE TAPE

Basic Functions

- This unit can play Type I (normal) or Type II (HIGH/ CrO_2) tapes.

1. **Press the EJECT mark to open the cassette door, then insert a cassette tape.**
   Close the door by hand.
2. **Press the DOLBY NR button to select the Dolby Noise Reduction mode.**
   Each time the button is pressed, the mode changes as follows: ON ⇄ OFF
   When Dolby NR is set to ON, the ◻◻ mark lights.
3. **Press the TAPE function bunton.**
   Playback begins.
4. **To stop playback, press the stop button.**

NOTES:

- *During tape playback, do not press the EJECT mark.*
- *The DOLBY NR button should be set to the same mode during playback as was used during recording of the tape.*
- *When playback is begun, a maximum of sixteen tape sides will be played back non-stop.*

Tape forward (►) ⇄ Tape reverse (◄)

■ To change the direction of tape travel

During playback, press the START button. Each time the button is pressed, the direction changes as follows:

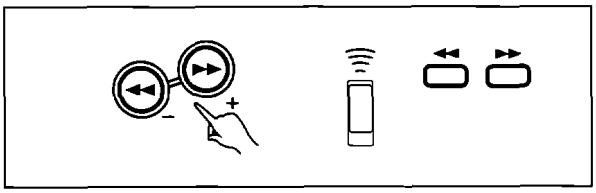
◄ (Reverse) ⇄ (Forward) ►

■ To fast foward or rewind the tape

With the deck stopped, press the fast forward or rewind button.
When the ► tape direction indicator is lighted, press the ►► button to fast forward the tape, and ◄◄ to rewind the tape.
When the ◄ tape direction indicator is lighted, press the ◄◄ button to fast forward the tape, and ►► to rewind the tape.

■ Dolby NR System

Dolby NR systems are designed to reduce the amount of tape hiss, mainly in the treble components. During recording, the high-pitched pianissimo sounds which are most characteristic of audible noise are boosted, and during playback, only these boosted sections are attenuated, so that tape sound is returned to normal. As a result, the noise is attenuated by an amount equal to the boosting in the treble range. The Dolby B-type NR system reduces noise in the treble range, cutting tape hiss and expanding the dynamic range.



Music Search

- To go to the beginning of the currently playing track, or the next track (tracks can be skipped to go to the beginning of other tracks as well):
- During playback:

■ During forward direction (►) playback:

- Press the rewind button (◄◄) one time to quickly return to the beginning of the currently playing track.
- Press the fast forward button (►►) one time to quickly move to the beginning of the next track.

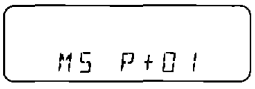
■ During reverse direction (◄) playback:

- Press the fast forward button (►►) one time to quickly return to the beginning of the currently playing track.
- Press the rewind button (◄◄) one time to quickly move to the beginning of the next track.

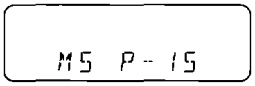
■ Skip Search (up to 15 tracks can be skipped in either the forward or reverse direction):

- Press the fast forward (►►) or rewind (◄◄) buttons as many times corresponding to the number of tracks you wish to skip.
  Example: During playback of the third track in the forward (►) direction:
  Press ►► two times to move to the beginning of the fifth track.
  Press ◄◄ two times to move to the beginning of the second track.

[Display Example] Jump to the next selection.

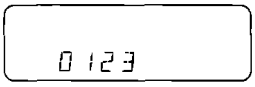


[Display Example] Jump backwards 14 selections.



MUSIC SEARCH DISPLAY

During the music search, both the search direction and the number of tracks to be jumped are displayed.



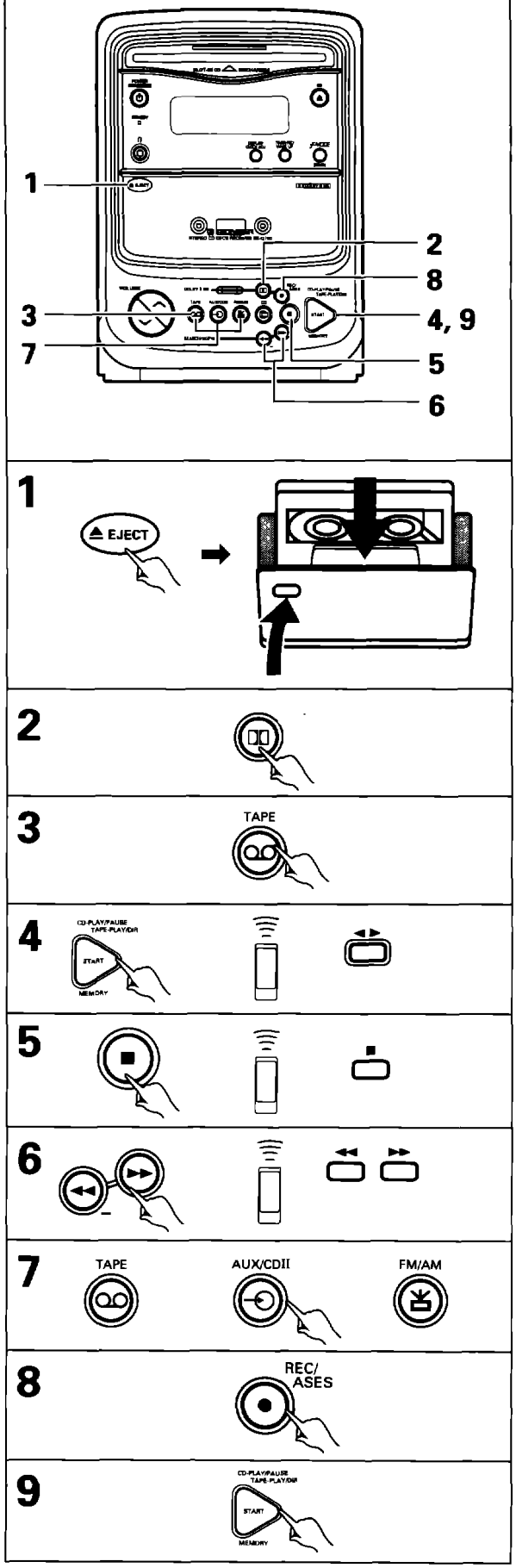
TAPE COUNTER DISPLAY

- The tape position counter is displayed in 4 digits.
- To reset the counter to "0000," stop playback, then press the main unit's stop button again.

NOTES:

- *The music search (MS) function will not operate correctly for the following types of tape.*
  1. *Tapes are used which do not have approximately 4 seconds of unrecorded tape between selections.*
  2. *Tape is used which has noise between the selections.*
  3. *Tape contains selections with low level sounds that continue for several seconds as in classical music or with sections where the sound stops for a few seconds in the middle of a selection.*
  4. *Tape is played that contains a conversation or other sounds with intermittent pauses.*
  5. *Tape is used which has extremely small sounds that continue more than 4 seconds during a selection.*
  6. *Tape is used which has an extremely low recording level that is longer than 4 seconds.*
  7. *Tapes containing selections which are less than 30 seconds.*
- *Do not change the tape play direction during a music search. This may damage or stretch the tape.*

The illustration shows XR-Q150.



TO RECORD TO CASSETTE TAPE FROM A TUNER OR OTHER AUXILIARY COMPONENT

- Use Type I (normal) or Type II (HIGH/CrO_2) cassette tapes.

1. **Press the EJECT mark to open the cassette door, and insert a tape for recording.**
   Close the cassette door by hand.
2. **Press the DOLBY NR button to select the desired noise reduction mode.**
   When Dolby NR is set to ON, the DD mark lights.
3. **Press the TAPE function button to begin tape travel.**
4. **Press the START button and select the desired tape direction (◄ or ►).**
5. **Once the desired tape direction has been selected, press the stop button.**
6. **Press the fast forward or rewind buttons to wind the tape to the point at which you desire to begin the recording.**
7. **Press the function button (not CD) corresponding to the component you wish to record.**
   - If TAPE is selected, no recording will be performed.
8. **Press the REC/ASES button.**
   The tape deck will enter the play standby mode.
9. **Press the START button to begin recording.**
   - To stop recording press the stop button.
   - To pause recording, press the REC/ASES button.
   - To resume recording from the pause mode, press the START button.

NOTES:

- *To record on only one side of a cassette tape, break the erasure-prevention tab on the side you do not wish to record on, and load the tape with the side to be recorded facing the front.*
- *During recording, the function selector buttons cannot be used.*
- *The tape direction cannot be changed manually during recording.*
- *Most tapes include a non-recordable leader of about five seconds duration at the beginning of each side. Be sure to forward the tape past this leader before beginning recording.*
- *Recording cannot be performed on tape cassettes whose erasure-prevention tabs have been broken.*

■ About Beat Cut

If you notice a humming noise produced when making tape recordings of AM broadcasts, perform the following steps to reduce the noise:

① **Turn power OFF.**
② **Hold the DOLBY NR button depressed 4 seconds** (the "●" indicator will appear on the display). This indicates activation of the beat cut filter.

Perform steps ① and ② once more to return to the normal mode.

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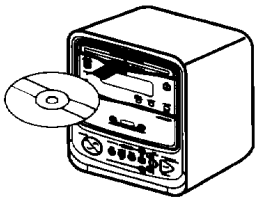
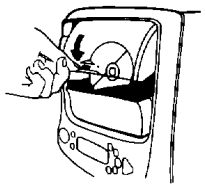


<XR-Q150>



<PD-Q160F>

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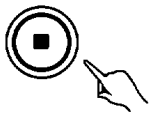

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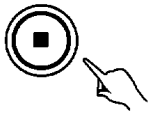
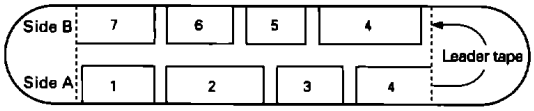


TO RECORD A CD ONTO A CASSETTE TAPE

Auto Synchro Editing System (A.S.E.S.)

When recording on both sides of a cassette tape, the CD tracks are recorded in the same order they are found on the disc. If the recording of cassette side A ends in the middle of a track, that track will be recorded again in full at the beginning of side B.



<PD-Q160F Only>
When using A.S.E.S., if a playback mode is selected on the CD player, the tracks will be recorded in the order determined by the CD player's playback mode.
ALL: All-disc A.S.E.S.
SINGLE: Disc 1 only A.S.E.S.
PROGRAM: Programmed tracks recorded with A.S.E.S.

Perform steps 1-6 on [P. 29] to set the desired recording direction and position of tape.

7. **Load the desired disc.**
   - When recording from a specific disc, press the DISC select buttons (+, –) to select the desired disc. (PD-Q160F only)
8. **Select the CD function button.**
   - If a CD is loaded, perform this step instead of step 7 (XR-Q150 only).
9. **Press the stop button to stop CD playback.**
10. **Press the REC/ASES button.**
    The A.S.E.S. operation begins.
11. **To stop A.S.E.S. midway through, press the stop button.**

TO RECORD A CD ONTO A CASSETTE TAPE

NOTES:

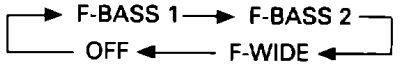
- *When using A.S.E.S., improper operation may occur in some cases, e.g., the disc playback may switch to the next track when the end of the tape is approached, or when the CD playback ends, the operation may be interrupted. In such cases, repeat the recording process from the beginning.*
- *Following step 9, the fast forward or fast reverse button can be used to select a track from which to begin recording. The recording will begin with that track and continue in order thereafter. If no track is specified, recording will begin from track 1.*
- *If you set the CD playback mode to all-track repeat, you can be sure of filling the tape without leftover space. (for XR-Q150, see P. 18, for PD-Q160F, see P. 22).*
- *A.S.E.S. cannot be used with single-track repeat.*
- *To record tracks in a specific order, set the CD playback to program play (for XR-Q150, see P. 19, for PD-Q160F, see P. 24).*
- *To record a single track, use the program play function, programming that single track only.*
- *In the following cases, if the REC/ASES button is pressed, the display will show "ERROR" and the function will not operate:*

① *No disc is loaded.*
② *The CD player is currently playing.*
③ *The erasure-prevention tab is broken out on that side of the cassette tape on which you wish to record.*
④ *If the CD function button is pressed when a cassette tape is currently playing.*
⑤ *When using a program play mode (on PD-Q160F only, includes the all-disc program mode)*

TO CHANGE SOUND-FIELD EFFECTS

Selecting a Sound Field (ƒ-Mode)

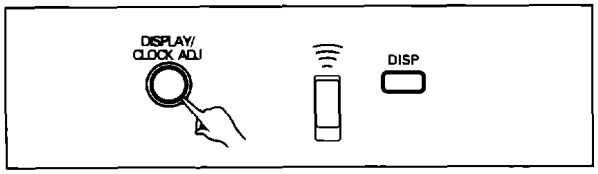
Press the ƒ-MODE button.
Each time the button is pressed, the sound field changes in the following order:



F-BASS 1: Produces heavy bass rhythm.
F-BASS 2: Produces emphasized vocals.
F-WIDE : Produces a spacious sense of breadth.

- When the ƒ-MODE button is pressed once, the currently selected mode is displayed; when pressed again, the sound field mode changes.

CHANGING THE DISPLAY



With the power turned ON, press the DISPLAY/ CLOCK ADJ button.

Each time the button is pressed, the display changes in accordance with the current function.

<During Tape Playback>

Tape counter → Current time → Elapsed recording time (during recording only) → Tape counter

<During Tuner Operation>

Frequency/station → Current time → Elapsed recording time (during recording only) → Frequency/station

<During CD Playback (XR-Q150 Only)>

Track elapsed playing time
↓
Total no. of tracks on disc and total playing time
↓
Current time
↓
Elapsed recording time (during recording only)
→ Track elapsed playing time

<During CD Playback (PD-Q160F only)>

Disc and track number
↓
Elapsed playing time
↓
Total playing time on disc
↓
Current time
↓
Elapsed recording time (during recording only)
→ Disc and track number

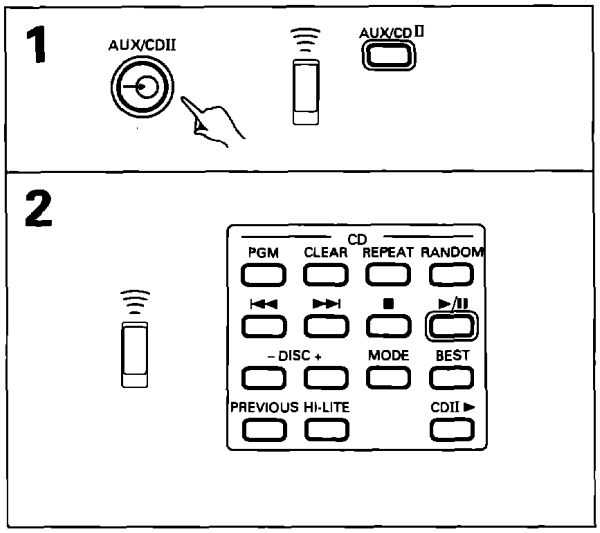
<During use of AUX/CD II>

AUX/CD II display → Current time → Elapsed recording time (during recording only) → AUX/CD II display

- If the current time or elapsed recording time displays have been selected, pressing other operation buttons may cause the display to be temporarily canceled, but it will reappear about ten seconds later.
- The elapsed recording time display is shown in the format HOURS:MINUTES.
- The total playing time display when using programmed CD playback shows either the program steps or the total playing time.

USING AN ADDITIONAL CD PLAYER

A Pioneer CD player equipped with CD II Control input jack can be connected to the unit, allowing you to use the deck receiver's remote control unit to control basic functions of the additional CD player.

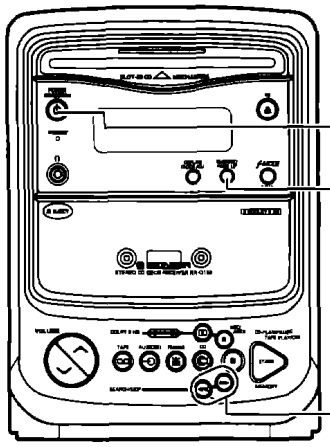


1. **Refer to [P.7] regarding how to connect the additional CD player.**
2. **Press the AUX/CD II button.**
3. **To control the CD player, use the deck receiver's remote control unit (CD control buttons) or the remote control unit accompanying the CD player.**

NOTES:

- *For information regarding CD player operation, consult the operating instructions accompanying your CD player.*
- *If the AUX/CD II button is not pressed, the additional CD player cannot be controlled with the remote control unit.*
- *When using an additional CD player, the deck receiver's remote signal sensor will operate as the signal sensor for the CD player as well; as a result, point the remote control unit at the deck receiver when operating the CD player.*
- *The DISC select button, MODE button, BEST button, PREVIOUS button, HI-LITE button, and CD II play button will operate when a file-type CD player is connected. For details consult the operating instructions of your file-type CD player (for XR-Q150).*

The illustration shows XR-Q150.



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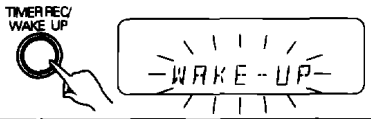
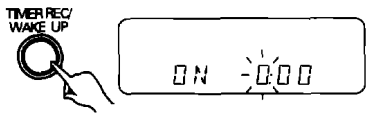


3



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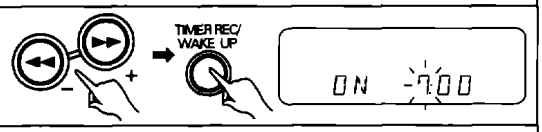

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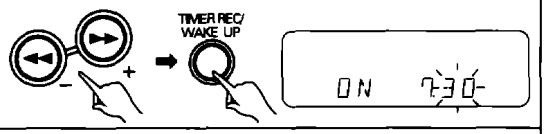

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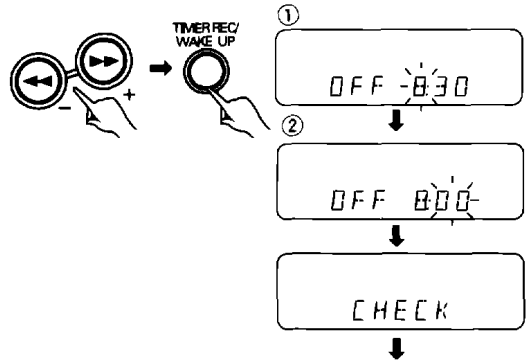
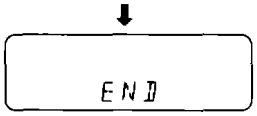
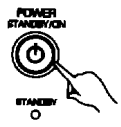


For automatic confirmation of set time, function display, and volume setting.



7



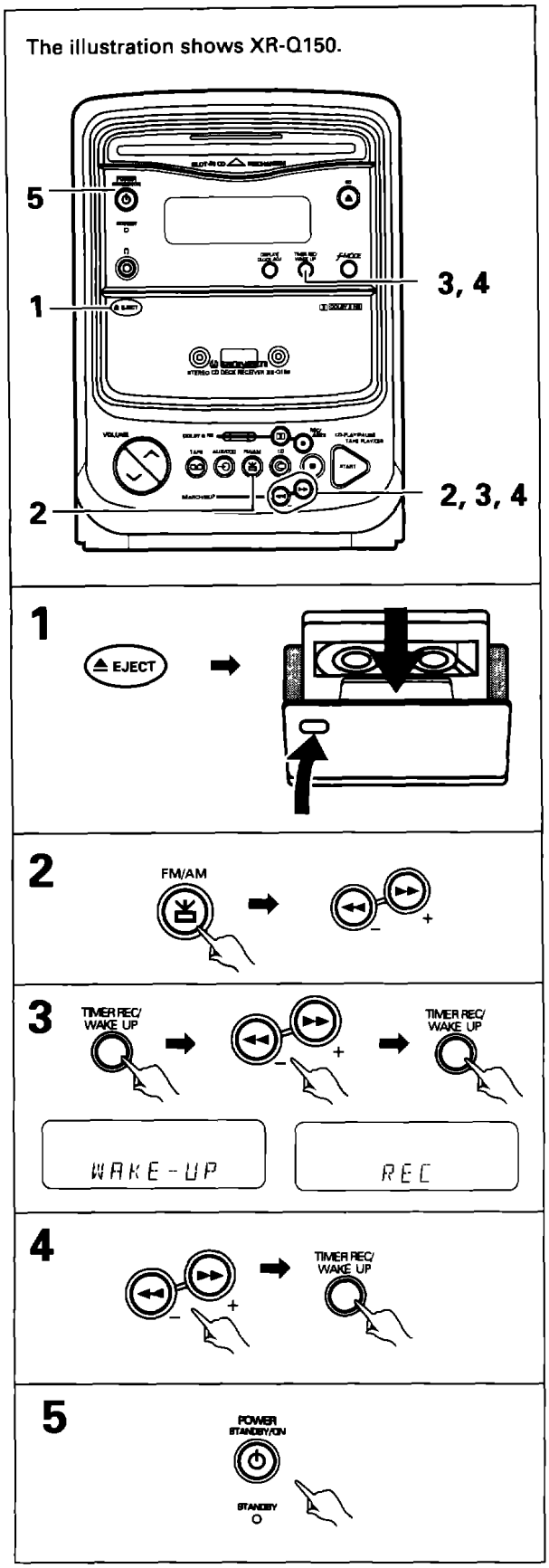
USING THE FUNCTION TIMER

Wake-Up Timer

- To automatically start and stop playback at a selected time. (Once this function is activated, it will operate every day unless manually canceled).
- This function cannot be used if the current time has not been set.
  Be sure to set the current time first.

Example: To begin playback at 7:30 A.M. and end at 8:00 A.M.

1. **With power turned ON, select the playback component (function) you wish to hear, and prepare that component for playback.**
   <For XR-Q150>
   CD: Load a disc.
   If you wish to listen to program playback, set the program.
   <For RX-Q160/PD-Q160F>
   CD: Select the desired disc and begin playback.
   FM/AM: Set tuner to desired station. The station selected at the time of timer setting will be stored in timer memory.
   TAPE: Load the desired cassette tape. Set deck to stop mode, and forward direction (►) playback.
   - Set the sound volume as desired.
2. **Press the TIMER REC/WAKE UP button.**
3. **Press the TIMER REC/WAKE UP button.**
4. **Set the time you wish playback to start: Set hour.**
5. **Set minutes**
6. **Set time you wish playback to end.**
   ① Set hour
   ② Set minutes
7. **Turn off power.**
   - The ⏲ TIMER and WAKE UP indicators will light, completing the setting process.



USING THE FUNCTION TIMER

Unattended Timer Recording

- This function allow you to automatically record FM/AM broadcasts at the time set on the timer.
- This function cannot be used if the current time has not been set.
  Be sure to set the current time first.
  During unattended timer recording, no sound will be produced from the speakers (sound volume is automatically set to minimum).
- When unattended timer recording is activated, it operates one time, and the timer setting is then canceled.

Example: To operate from 7:30 A.M. to 8:00 A.M.

1. **Press the EJECT mark, and insert a tape for recording.**
   Close the cassette door by hand.
   - NOTE: recording will begin from the forward (►) direction.
2. **Press the tuner (FM/AM) function button, and set the tuner to the desired broadcast station.**
3. **Press the TIMER REC/WAKE UP button.**
   Press the fast forward or fast reverse button.
   Press the TIMER REC/WAKE UP button.
4. **Set the time you wish recording to start and end.**
   The setting procedure is the same as for WAKE UP timer operation; see [P. 33], steps 4-6.
5. **Turn off power.**
   - The ⏲ TIMER and REC indicators will light, completing the setting process.

NOTES:

- *If you wish to change the timer contents or if you make a mistake in setting, perform the entire setting procedure once again from the beginning.*
- *When the timer is set, if any buttons are pressed other than those necessary for timer setting, the setting process will be interrupted.*
- *During the setting process, if you press no buttons or make no settings for a period of about ten seconds, the timer setting will be canceled.*
- *If Wake Up Timer and Timer Recording are set to operate consecutively, the end time of the previous operation must be separated by at least one minute from the start time of the following operation. If the two operations are set for the same time, the timer function will not operate properly.*
- *When timer operation times overlap, the function set to operate afterward may not operate properly. Also, if identical starting times are set for Wake Up and Timer Recording, the operating priority is ① Timer Recording, followed by ② Wake Up Timer.*
- *If the sleep timer is set while the timer is operating, the earlier of the two OFF times set will operate first.*

<To Cancel Timer Operation>

① During timer playback/recording, or during operation of the timer, press the TIMER REC / WAKE UP button to select the timer function you wish to cancel.

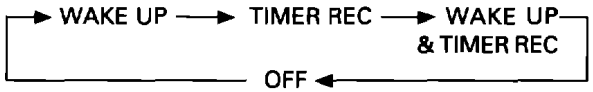
② After selecting the timer function to cancel, press the TIMER REC /WAKE UP button.

The display will show [OFF] and the playback/recording or timer operation will stop.

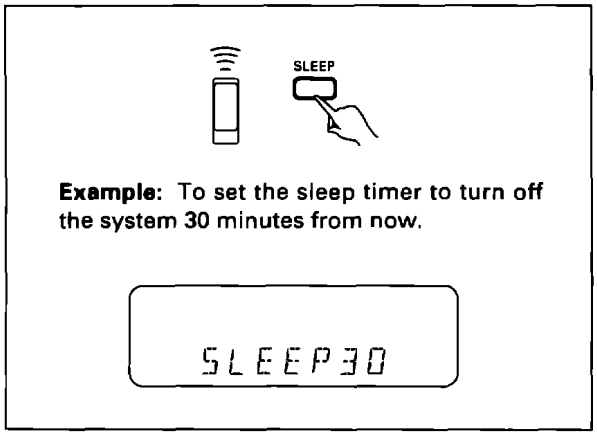
- The timer contents, however, will remain stored in memory, and can be activated later if desired.

<To Reactivate a Timer Setting>

With power turned off (standby mode), press the TIMER REC / WAKE UP button. Each time the button is pressed, the timer setting mode changes as follows; select the one you wish to activate.



When a timer mode has been activated, that mode's contents are shown on the display.



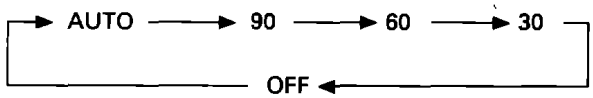
Example: To set the sleep timer to turn off the system 30 minutes from now.

Sleep Timer

When this timer function is activated, the selected function will operate for the set time, after which power will be automatically turned off.

Press the SLEEP button.

Each time the button is pressed, the sleep time changes in the following order:



After a sleep timer setting has been selected (the sleep timer setting is decremented as time goes by), you may press the SLEEP button once to display the current remaining time on the timer. If the button is pressed twice, the set time will be changed.

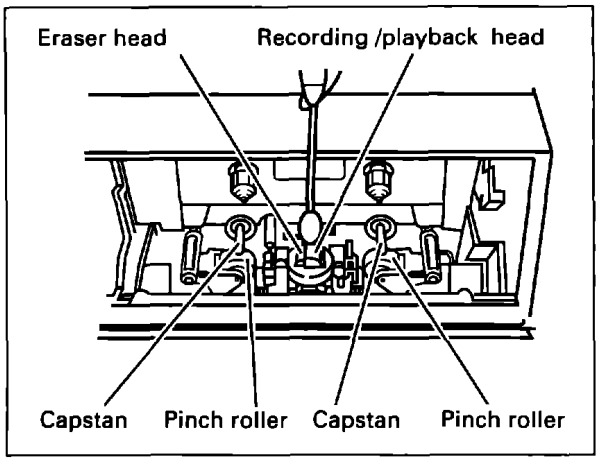
■ AUTO (AUTOSLEEP)

If the SLEEP button is pressed and the function set to AUTO during CD play, or tape playback or recording, the unit will automatically stop and power will be turned off when disc playback ends (in the case of a CD), or when the playback or recording of side B ends (in the case of cassette tape).

NOTE:

AUTO SLEEP cannot be selected during CD repeat playback modes.

MAINTENANCE



Cleaning the Head Section

To enjoy a perfect performance and high-quality sound, clean the head periodically (once every 10 hours).
A head cleaning cassette is necessary for cleaning the recording/playback heads.
Please use a commercially available "Wet-type" cleaning cassette. (For details, refer to the instructions supplied with the cleaning cassette.)

Caution:

- *Some head cleaning tapes are not designed for use on autoreverse decks. Be careful since there is a danger that you will not be able to remove the cleaning cassette. Ask your PIONEER authorized service center or dealer for details.*
- *Do not use a head cleaning tape which does not conform to the specified standards.*
- *Do not use the dry-type cleaning cassette tapes.*
- *After cleaning the head, do not load a cassette tape until the cleaning liquid has dried (about 2 or 3 minutes).*

Demagnetizing the Head

The recording/playback head becomes magnetized when you use the tape deck for prolonged periods of time. This results in noise being generated and the treble dropping off during recording and playback. The recording/playback head should therefore be demagnetized regularly with a commonly sold head demagnetizer.
When demagnetizing the head, switch to the deck receiver's power ON.
To avoid adversely affecting the amplifier and speakers, be sure to set the volume level to minimum. Also disconnect the headphone plug from the Headphones jack.
For further details, refer to the operating instructions accompanying your head demagnetizer.

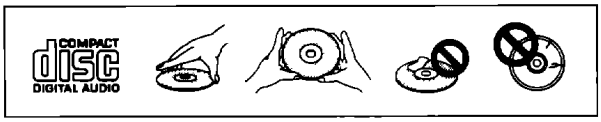
Maintenance of External Surfaces

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and wrung out well, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzine, insecticide sprays and other chemicals on or near this unit, since these will corrode the surfaces.

CAUTIONS REGARDING COMPACT DISC HANDLING

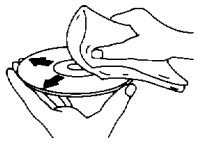
Care of Compact Discs

- With this unit, use discs which display the mark shown below.
- When holding discs, do not touch their signal surfaces.
- Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the disc.
- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.



Cleaning Compact Discs

- Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery.
- If a disc becomes very dirty, dip a soft cloth in water, and after wringing it out well, wipe the dirt away gently. Remove any water drops with another soft dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.



Storing Compact Discs

- Discs are made of the same kind of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars and on the seats. Being exposed to direct sunlight can be harmful.
- Always read and abide by the precautionary notes listed on disc labels.

CD Lens Cleaner

The player's pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, consult your nearest PIONEER authorized service center. Lens cleaner discs for CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens itself or it may not be possible to remove the disc.

HOW TO HANDLE CASSETTE TAPES

Bear in mind the following points before loading cassette tapes.

Is the tape loose, or is some of the tape outside the cassette?

Insert a pencil into the reel hole and take up the slack (Fig. A).

How can you prevent an accidental erasure?

If you break the cassette tape erasure prevention tabs with a screwdriver or other instrument, recording is no longer possible, so there's no worry of accidentally erasing a valuable recording (Fig. B). When you want to record again on a cassette with broken erasure prevention tabs, cover the tab sections with a double layer of adhesive or other tape (Fig. C).

Fig. A

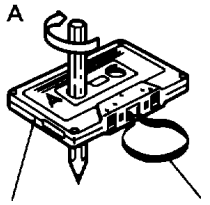


Fig. B

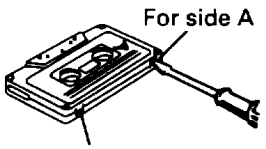


Fig. C

Be sure not to cover the tape-type detection holes

With TYPE II (High/CrO_2) tape, be sure not to cover the tape-type detection holes. If they are covered, the auto tape selector function will not operate correctly.

Tips on using cassette tapes

- Do not leave a cassette tape exposed to the environment. Store the cassette in its case so that dust and dirt do not adhere to the tape after use, and so that the tape is prevented from becoming slack. Choose a location which is not exposed to the effects of magnetism, dust, dirt and oil for storing the tapes.
- **Do not use cassette tapes longer than C-90.** Tapes longer than C-90 are quite thin and easily jam in the pinch roller and capstan and may also cause irregular winding. Do not use them in this unit. Use tapes of 90 minutes or less.

TROUBLESHOOTING

If you think something is wrong with your component, check the troubleshooting points below.
If the trouble cannot be rectified even after performing these checks, ask your dealer or nearest authorized PIONEER service center.

Symptom	Cause	Remedy
Common to all sections		
No sound.	● Power plug is disconnected. ● Other connecting cables are disconnected. ● Function selector is not set correctly.	● Connect power plug correctly. ● Check the connection instructions and confirm that all connections are correct. ● Select the source function you wish to listen to.
Tape deck		
Cassette door doesn't open	● Power cord was disconnected while deck was running.	● Reconnect power cord (☞ P.6).
Recording can't be performed.	● Cassette's erasure-prevention tabs are broken out.	● Either replace the cassette, or place cellophane tape over the erasure-prevention tab holes (☞ P.37).
Sound is muddy, or when recording over a previously recorded tape, the previous recording is not erased completely.	● Recording heads are dirty.	● Clean heads (☞ P.36).
Sound is distorted; high-range sounds are over-emphasized.	● DOLBY NR button is not set to same setting for playback as for original recording.	● Set the DOLBY NR button to the correct setting for the tape being played.
The "ERROR" message appears when START or other operating buttons are pressed.	● Mechanical deck fault.	● Try turning off the power and then turning it on again.
CD player		
Play doesn't begin even when play button is pressed.	● Disc is loaded backwards. ● Disc is dirty. ● Disc has large scratch or warp. ● The hood is open (PD-Q160F only)	● Load the disc properly with the label (printed) surface facing upward (XR-Q150 only). ● Load disc correctly with label surface toward right (PD-Q160F only). ● Clean the disc. ● Replace the disc. ● Close the hood.
The display shows a flashing "DISC" message. (XR-Q150 only)	● Something is blocking the disc insert slot, so the loaded disc cannot be ejected.	● Remove the obstruction from the disc insert slot.
FM/AM receiver		
Broadcasts can't be heard, or sound is distorted.	● Antennas aren't connected. ● Antennas aren't oriented in proper direction. ● Electrical appliances (fluorescent lamps, hair dryer, etc.) are being used nearby.	● Connect antennas correctly (☞ P.5). ● Orient antennas in proper direction. ● Stop using the other appliances.
Stereo broadcasts are heard in monaural.	● The MONO indicator is lighted in the display.	● Press the MONO button so that the MONO indicator goes out (☞ P.15).
Other		
Timer doesn't operate.	● The clock is not set to the proper current time.	● Set the clock properly.
The remote control unit doesn't operate.	● The remote control unit's batteries are dead. ● A fluorescent lamp is lighted nearby the remote control signal sensor.	● Insert new batteries (☞ P.4). ● Move the fluorescent lamp away from the deck-receiver.

- When the system is located beside a television, distortion of the television's image may occur. This may occur particularly when the television is used with an indoor antenna; if so, either switch to an outdoor antenna, or move the television away from the stereo set.
- This unit may fail to operate properly in the event of nearby static electricity and other external influences. In such cases, either switch the power OFF and ON again, or temporarily disconnect the power cord and plug it in again.

SPECIFICATIONS

STEREO CD DECK RECEIVER: XR-Q150
STEREO DECK RECEIVER: RX-Q160

Amplifier Section

Continuous Power Output (DIN) ..... 19 W + 19 W
(1 kHz, T.H.D. 1%, 8 Ω)
Continuous Power Output (RMS) ..... 25 W + 25 W
(1 kHz, T.H.D. 10%, 8 Ω)
(PMPO) ..... 400 W

- *Above specifications are for when power supply is 230 V.*

FM Tuner Section

Frequency Range ..... 87.5 MHz to 108 MHz
Antenna input ..... 75 Ω unbalanced

AM Tuner section

Frequency Range ..... 531 kHz to 1,602 kHz
Antenna ..... Loop antenna

Cassette deck section

Systems ..... 4 track, 2-channel stereo
Heads ..... Recording/playback head x 1
Erasing head x 1
Motor ..... DC servo motor x 1
Tape type ..... TYPE I (Normal) tape
TYPE II (HIGH/CrO_2) tape

CD section (XR-Q150)
(FILE-TYPE CD PLAYER : PD-Q160F)

Type ..... Compact disc digital audio system
Wow and Flutter ..... Limit of measurement
(±0.001 % W.PEAK) or less (EIAJ)

Miscellaneous

Power Requirements ..... AC 220-230 V, 50/60 Hz

Power Consumption
XR-Q150 ..... 135 W
RX-Q160 ..... 136 W
Dimensions
XR-Q150 ..... 180 (W) x 250 (H) x 268 (D) mm
RX-Q160 ..... 180 (W) x 250 (H) x 268 (D) mm
PD-Q160F ..... 180 (W) x 250 (H) x 268 (D) mm
Weight (without package)
XR-Q150 ..... 5.0 kg
RX-Q160 ..... 3.7 kg
PD-Q160F ..... 2.8 kg

SPEAKER SYSTEM: S-Q150

Enclosure ..... Bass-reflex bookshelf type
Loudspeaker ..... 10 cm cone type
Nominal impedance ..... 8 Ω
Frequency Response ..... 46 Hz–20 kHz
MAXIMUM POWER ..... 25 W
Dimensions ..... 150 (W) x 250 (F) x 255 (D) mm
Weight ..... 1.9 kg

SPEAKER SYSTEM: S-Q3D-LRW

Satellite speaker: S-Q3D-LR

Enclosure ..... Enclosed bookshelf type
Loudspeakers:
Midrange ..... 8.5 cm cone type x 1
External Dimensions ... 127 (W) x 160 (H) x 120 (D) mm
Weight (without package) ..... 0.6 kg

Subwoofer: S-Q3D-W

Enclosure ..... D.D.D. (Double Duct Drive), floor type
System ..... 1-way subwoofer system
Loudspeakers ..... 16 cm cone type x 1
External Dimensions ... 190 (W) x 248 (H) x 422 (D) mm
Weight (without package) ..... 5.0 kg

Nominal impedance ..... 8 Ω
Frequency Range ..... 40 to 20,000 Hz
Cross-over frequency ..... 150 Hz
Sensitivity ..... 85 dB/W at 1 m distance
Maximum Power ..... 30 W

Accessories

Operating instructions 1
Remote control unit 1
AA/R6P dry cell batteries 2
FM T-type antenna 1
AM loop antenna 1
Disc case stand (PD-Q160F only) 1
Speaker cords (furnished with S-Q150) 2
Speaker cords (furnished with S-Q3D-LRW) 4
(For satellite speaker: 2)
(For sub-woofer: 2)

NOTE:

Specifications and design subject to possible modification without notice due to improvement.

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